



MSK1 (phospho Ser212) Monoclonal Antibody

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse, IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms RPS6KA5; MSK1; Ribosomal protein S6 kinase alpha-5; S6K-alpha-5; 90 kDa ribosomal protein S6 kinase 5; Nuclear mitogen- and stress-activated protein kinase 1; RSK-like protein kinase; RSKL Observed Band 90kD Cell Pathway Nucleus. Cytoplasm. Predominantly nuclear. Exported into cytoplasm in responto glucocorticoid. Tissue Specificity Widely expressed with high levels in heart, brain and placenta. Less abundant in lung, kidney and liver. Function catalytic activity: ATP + a protein = ADP + a phosphorylation; n.cofactor: Magnesium, enzyme regulation: Appears to be activate by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14/p38-alpha may play a role in this process, function: Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the		
Reactivity Human;Mouse Applications WB Gene Name RPS6KA5 Protein Name Ribosomal protein S6 kinase alpha-5 Immunogen The antiserum was produced against synthesized peptide derived from human MSK1 around the phosphorylation site of Ser212. AA range:181-230 Specificity Phospho-MSK1 (S212) Monoclonal Antibody detects endogenous levels of MSk protein only when phosphorylated at S212. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse, IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms RPS6KA5; MSK1; Ribosomal protein S6 kinase alpha-5; S6K-alpha-5; 90 kDa ribosomal protein S6 kinase 5; Nuclear mitogen- and stress-activated protein kinase 1; RSK-like protein kinase; RSKL Observed Band 90kD Cell Pathway Nucleus. Cytoplasm. Predominantly nuclear. Exported into cytoplasm in respont to glucocorticoid. Tissue Specificity Widely expressed with high levels in heart, brain and placenta. Less abundant in lung, kidney and liver. Function catalytic activity: ATP + a protein = ADP + a phosphoprotein., cofactor: Magnesium., enzyme regulation: Appears to be activate by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14/p38-alpha may play a role in this process, function: Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factor-). Essential role in the control of RELA	Catalog No	BYmab-14496
Applications Gene Name RPS6KA5 Protein Name Ribosomal protein S6 kinase alpha-5 Immunogen The antiserum was produced against synthesized peptide derived from human MSK1 around the phosphorylation site of Ser212. AA range:181-230 Specificity Phospho-MSK1 (S212) Monoclonal Antibody detects endogenous levels of MSI protein only when phosphorylated at S212. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse, IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity 290% Storage Stability -20°C/1 year Synonyms RPS6KA5; MSK1; Ribosomal protein S6 kinase alpha-5; S6K-alpha-5; 90 kDa ribosomal protein S6 kinase 5; Nuclear mitogen- and stress-activated protein kinase 1; RSK-like protein kinase; RSKL Observed Band 90kD Cell Pathway Nucleus. Cytoplasm. Predominantly nuclear. Exported into cytoplasm in respon to glucocorticoid. Tissue Specificity Widely expressed with high levels in heart, brain and placenta. Less abundant i lung, kidney and liver. Function catalytic activity: ATP + a protein = ADP + a phosphoprotein, cofactor: Magnesium, enzyme regulation: Appears to be activate by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14/p38-alpha may play a role in this process, function: Serine/threonine kinase required for the mitogen or stress-induced phosphorylation on the transcription factors CREB (cAMP response element-biontio) and ATF1 (activating transcription factor-1). Essential role in the control of RELA	Isotype	IgG
Gene Name RPS6KA5 Protein Name Ribosomal protein S6 kinase alpha-5 Immunogen The antiserum was produced against synthesized peptide derived from human MSK1 around the phosphorylation site of Ser212. AA range:181-230 Specificity Phospho-MSK1 (S212) Monoclonal Antibody detects endogenous levels of MSI protein only when phosphorylated at S212. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse, IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms RPS6KA5; MSK1; Ribosomal protein S6 kinase alpha-5; S6K-alpha-5; 90 kDa ribosomal protein S6 kinase 5; Nuclear mitogen- and stress-activated protein kinase 1; RSK-like protein kinase; RSKL Observed Band 90kD Cell Pathway Nucleus. Cytoplasm. Predominantly nuclear. Exported into cytoplasm in respon to glucocorticoid. Tissue Specificity Widely expressed with high levels in heart, brain and placenta. Less abundant i lung, kidney and liver. Function catalytic activity:ATP + a protein = ADP + a phosphoprotein, cofactor: Magnes	Reactivity	Human;Mouse
Protein Name Ribosomal protein S6 kinase alpha-5 Immunogen The antiserum was produced against synthesized peptide derived from human MSK1 around the phosphorylation site of Ser212. AA range:181-230 Specificity Phospho-MSK1 (S212) Monoclonal Antibody detects endogenous levels of MSI protein only when phosphorylated at S212. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse,IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms RPS6KA5; MSK1; Ribosomal protein S6 kinase alpha-5; S6K-alpha-5; 90 kDa ribosomal protein S6 kinase 5; Nuclear mitogen- and stress-activated protein kinase 1; RSK-like protein kinase; RSKL Observed Band 90kD Cell Pathway Nucleus. Cytoplasm. Predominantly nuclear. Exported into cytoplasm in respon to glucocorticoid. Tissue Specificity Widely expressed with high levels in heart, brain and placenta. Less abundant i lung, kidney and liver. Function catalytic activity:ATP + a protein = ADP + a phosphorylation, cofactor:Magnesium, enzyme regulation:Appears to be activate by multiple phosphorylatio	Applications	WB
Immunogen The antiserum was produced against synthesized peptide derived from human MSK1 around the phosphorylation site of Ser212. AA range:181-230 Specificity Phospho-MSK1 (S212) Monoclonal Antibody detects endogenous levels of MSI protein only when phosphorylated at S212. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse, IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms RPS6KA5; MSK1; Ribosomal protein S6 kinase alpha-5; S6K-alpha-5; 90 kDa ribosomal protein S6 kinase 5; Nuclear mitogen- and stress-activated protein kinase 1; RSK-like protein kinase; RSKL Observed Band Observed Band Cell Pathway Nucleus. Cytoplasm. Predominantly nuclear. Exported into cytoplasm in respont to glucocorticoid. Tissue Specificity Widely expressed with high levels in heart, brain and placenta. Less abundant is lung, kidney and liver. Function catalytic activity-ATP + a protein = ADP + a phosphoryletin, cofactor:Magnesium, enzyme regulation:Appears to be activate by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK 14/p38-alpha may play a role in this process., function: Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factors CREB (cAMP response element-binding protein) and ATF1	Gene Name	RPS6KA5
MSK1 around the phosphorylation site of Ser212. AA range:181-230 Specificity Phospho-MSK1 (S212) Monoclonal Antibody detects endogenous levels of MSR protein only when phosphorylated at S212. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse, IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms RPS6KA5; MSK1; Ribosomal protein S6 kinase alpha-5; S6K-alpha-5; 90 kDa ribosomal protein S6 kinase 5; Nuclear mitogen- and stress-activated protein kinase 1; RSK-like protein kinase; RSKL Observed Band 90kD Cell Pathway Nucleus. Cytoplasm. Predominantly nuclear. Exported into cytoplasm in respon to glucocorticoid. Tissue Specificity Widely expressed with high levels in heart, brain and placenta. Less abundant i lung, kidney and liver. Function catalytic activity:ATP + a protein = ADP + a phosphoprotein, cofactor:Magnesium, enzyme regulation:Appears to be activate by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14/p38-alpha may play a role in this process, ffunction:Serine/threonine kinase required for the milogen or stress-induced phosphorylation of the transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factors CREB (cAMP response element-binding protein) and ATF1	Protein Name	Ribosomal protein S6 kinase alpha-5
Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse, IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms RPS6KA5; MSK1; Ribosomal protein S6 kinase alpha-5; S6K-alpha-5; 90 kDa ribosomal protein S6 kinase 5; Nuclear mitogen- and stress-activated protein kinase 1; RSK-like protein kinase; RSKL Observed Band 90kD Cell Pathway Nucleus. Cytoplasm. Predominantly nuclear. Exported into cytoplasm in responto glucocorticoid. Tissue Specificity Widely expressed with high levels in heart, brain and placenta. Less abundant in lung, kidney and liver. Function catalytic activity.ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Appears to be activate by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14/p38-alpha may play a role in this process. function:Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factor-1). Essential role in the control of RELA	Immunogen	
Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse, IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms RPS6KA5; MSK1; Ribosomal protein S6 kinase alpha-5; S6K-alpha-5; 90 kDa ribosomal protein S6 kinase 5; Nuclear mitogen- and stress-activated protein kinase 1; RSK-like protein kinase; RSKL Observed Band 90kD Cell Pathway Nucleus. Cytoplasm. Predominantly nuclear. Exported into cytoplasm in responto glucocorticoid. Tissue Specificity Widely expressed with high levels in heart, brain and placenta. Less abundant in lung, kidney and liver. Function catalytic activity: ATP + a protein = ADP + a phosphoprotein., cofactor: Magnesium., enzyme regulation: Appears to be activate by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14/p38-alpha may play a role in this process. function: Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factor-1). Essential role in the control of RELA	Specificity	Phospho-MSK1 (S212) Monoclonal Antibody detects endogenous levels of MSK1 protein only when phosphorylated at S212.
Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms RPS6KA5; MSK1; Ribosomal protein S6 kinase alpha-5; S6K-alpha-5; 90 kDa ribosomal protein S6 kinase 5; Nuclear mitogen- and stress-activated protein kinase 1; RSK-like protein kinase; RSKL Observed Band 90kD Cell Pathway Nucleus. Cytoplasm. Predominantly nuclear. Exported into cytoplasm in responto glucocorticoid. Tissue Specificity Widely expressed with high levels in heart, brain and placenta. Less abundant in lung, kidney and liver. Function catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Appears to be activate by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14t/p38-alpha may play a role in this process.,function:Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factor-1). Essential role in the control of RELA	Formulation	
affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms RPS6KA5; MSK1; Ribosomal protein S6 kinase alpha-5; S6K-alpha-5; 90 kDa ribosomal protein S6 kinase 5; Nuclear mitogen- and stress-activated protein kinase 1; RSK-like protein kinase; RSKL Observed Band 90kD Cell Pathway Nucleus. Cytoplasm. Predominantly nuclear. Exported into cytoplasm in respontoglucocorticoid. Tissue Specificity Widely expressed with high levels in heart, brain and placenta. Less abundant is lung, kidney and liver. Function catalytic activity:ATP + a protein = ADP + a phosphoprotein, cofactor:Magnesium, enzyme regulation:Appears to be activated by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14/p38-alpha may play a role in this process, function:Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factor-1). Essential role in the control of RELA	Source	Monoclonal, Mouse,IgG
Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms RPS6KA5; MSK1; Ribosomal protein S6 kinase alpha-5; S6K-alpha-5; 90 kDa ribosomal protein S6 kinase 5; Nuclear mitogen- and stress-activated protein kinase 1; RSK-like protein kinase; RSKL Observed Band 90kD Cell Pathway Nucleus. Cytoplasm. Predominantly nuclear. Exported into cytoplasm in responto glucocorticoid. Tissue Specificity Widely expressed with high levels in heart, brain and placenta. Less abundant in lung, kidney and liver. Function catalytic activity:ATP + a protein = ADP + a phosphoprotein, cofactor:Magnesium, enzyme regulation:Appears to be activate by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14/p38-alpha may play a role in this process, function:Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factor-1). Essential role in the control of RELA	Purification	•
Purity ≥90% Storage Stability -20°C/1 year Synonyms RPS6KA5; MSK1; Ribosomal protein S6 kinase alpha-5; S6K-alpha-5; 90 kDa ribosomal protein S6 kinase 5; Nuclear mitogen- and stress-activated protein kinase 1; RSK-like protein kinase; RSKL Observed Band 90kD Cell Pathway Nucleus. Cytoplasm. Predominantly nuclear. Exported into cytoplasm in responto glucocorticoid. Tissue Specificity Widely expressed with high levels in heart, brain and placenta. Less abundant in lung, kidney and liver. Function catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Appears to be activate by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14/p38-alpha may play a role in this process.,function:Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factor-1). Essential role in the control of RELA	Dilution	WB 1:500-2000
Storage Stability -20°C/1 year RPS6KA5; MSK1; Ribosomal protein S6 kinase alpha-5; S6K-alpha-5; 90 kDa ribosomal protein S6 kinase 5; Nuclear mitogen- and stress-activated protein kinase 1; RSK-like protein kinase; RSKL Observed Band Observed Band Nucleus. Cytoplasm. Predominantly nuclear. Exported into cytoplasm in respont to glucocorticoid. Tissue Specificity Widely expressed with high levels in heart, brain and placenta. Less abundant is lung, kidney and liver. Function catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Appears to be activate by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14/p38-alpha may play a role in this process.,function:Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factor-1). Essential role in the control of RELA	Concentration	1 mg/ml
Synonyms RPS6KA5; MSK1; Ribosomal protein S6 kinase alpha-5; S6K-alpha-5; 90 kDa ribosomal protein S6 kinase 5; Nuclear mitogen- and stress-activated protein kinase 1; RSK-like protein kinase; RSKL Observed Band Observed Band Nucleus. Cytoplasm. Predominantly nuclear. Exported into cytoplasm in response to glucocorticoid. Tissue Specificity Widely expressed with high levels in heart, brain and placenta. Less abundant is lung, kidney and liver. Function catalytic activity:ATP + a protein = ADP + a phosphoprotein., cofactor:Magnesium., enzyme regulation:Appears to be activate by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14/p38-alpha may play a role in this process., function:Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factor-1). Essential role in the control of RELA	Purity	≥90%
ribosomal protein S6 kinase 5; Nuclear mitogen- and stress-activated protein kinase 1; RSK-like protein kinase; RSKL Observed Band 90kD Nucleus. Cytoplasm. Predominantly nuclear. Exported into cytoplasm in response to glucocorticoid. Tissue Specificity Widely expressed with high levels in heart, brain and placenta. Less abundant is lung, kidney and liver. Function catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Appears to be activate by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14/p38-alpha may play a role in this process.,function:Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factor-1). Essential role in the control of RELA	Storage Stability	-20°C/1 year
Cell Pathway Nucleus. Cytoplasm. Predominantly nuclear. Exported into cytoplasm in response to glucocorticoid. Tissue Specificity Widely expressed with high levels in heart, brain and placenta. Less abundant is lung, kidney and liver. Function catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Appears to be activated by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14/p38-alpha may play a role in this process.,function:Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factor-1). Essential role in the control of RELA	Synonyms	ribosomal protein S6 kinase 5; Nuclear mitogen- and stress-activated protein
Tissue Specificity Widely expressed with high levels in heart, brain and placenta. Less abundant is lung, kidney and liver. Function catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Appears to be activate by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14/p38-alpha may play a role in this process.,function:Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factor-1). Essential role in the control of RELA	Observed Band	90kD
Function catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Appears to be activate by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14/p38-alpha may play a role in this process.,function:Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factor-1). Essential role in the control of RELA	Cell Pathway	Nucleus. Cytoplasm. Predominantly nuclear. Exported into cytoplasm in response to glucocorticoid.
phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Appears to be activate by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14/p38-alpha may play a role in this process.,function:Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factor-1). Essential role in the control of RELA	Tissue Specificity	Widely expressed with high levels in heart, brain and placenta. Less abundant in lung, kidney and liver.
	Function	phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Appears to be activated by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14/p38-alpha may play a role in this process.,function:Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factor-1). Essential role in the control of RELA

Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658



国内优质抗体供应商 精准的 WB 检测服务 24H 在线服务,欢迎咨询



Background

phosphorylation of 'Ser-1' of histone H2A. Phosphorylates 'Ser-10' of histone H3 in response to mitogenics, stress stimuli and epidemal growth-factor (EGF), which results in the transcriptional activation of several immediate early genes, including proto-oncogenes c-fos/FOS and c-jun/JUN. May also phosphorylate 'Ser-28'

catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium,enzyme regulation:Appears to be activated by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14/p38-alpha may play a role in this process.,function:Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factor-1). Essential role in the control of RELA transcriptional activity in response to TNF. Directly represses transcription via phosphorylation of 'Ser-1' of histone H2A. Phosphorylates 'Ser-10' of histone H3 in response to mitogenics, stress stimuli and epidemal growth-factor (EGF), which results in the transcriptional activation of several immediate early genes, including proto-oncogenes c-fos/FOS and c-jun/JUN. May also phosphorylate 'Ser-28' of histone H3. Mediates the mitogen- and stress-induced phosphorylation of high mobility group protein 14 (HMG-14), miscellaneous:Enzyme activity requires the presence of both kinase domains.,PTM:Ser-376 and Thr-581 phosphorylation is required for kinase activity. Ser-376 and Ser-212 are autophosphorylated by the C-terminal kinase domain, and their phosphorylation is essential for the catalytic activity of the N-terminal kinase domain, similarity:Belongs to the protein kinase subfamily, similarity:Contains 1 AGC-kinase C-terminal domain, similarity:Contains 2 protein kinase family. S6 kinase subfamily, similarity:Contains 1 AGC-kinase C-terminal domain, similarity:Contains 2 protein kinase domains., subcellular location:Predominantly nuclear. Partially cytoplasmic., subunit:Forms a complex with either ERK1 or ERK2 in quiescent cells which transiently dissociates following mitogenic stimulation. Also associates with MAPK14/p38-alpha. Activated RPS6KA5 associates with and phosphorylates the NF-kappa-B p65 subunit RELA., tissue specificity:Widely expressed with high levels in heart, brain and placenta. Less abundant in lung, kidney

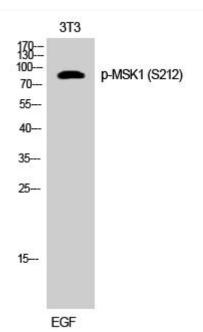
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using MSK1 (phospho Ser212) Monoclonal Antibody

Nanjing BYabscience technology Co.,Ltd