



## MEK-7 (phospho Thr275) Monoclonal Antibody

Catalog No         BYmab-14394           Isotype         IgG           Reactivity         Human;Mouse;Rat           Applications         WB           Gene Name         MAP2K7           Protein Name         Dual specificity mitogen-activated protein kinase kinase 7           Immunogen         The antiserum was produced against synthesized peptide derived from human MAP2K7 around the phosphorylation site of Thr275. AA range:241-290           Specificity         Phospho-MEK-7 (T275) Monoclonal Antibody detects endogenous levels of MEK-7 protein only when phosphorylated at T275.           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         MAP2K7; JNKK2; MEK7; MKK7; PKKMK7; SKK4; Dual specificity mitogen-activated protein kinase kinase 7; MAPK7; JNK-Activated protein kinase kinase 7; MAPK7; Stress-activated protein kinase kinase 4; SAPK kinase 4; S           Observed Band         43kD           Cell Pathway         Nucleus. Cytoplasm .           Tissue Specific		
Reactivity Human;Mouse;Rat  Applications WB  Gene Name MAP2K7  Protein Name Dual specificity mitogen-activated protein kinase kinase 7  Immunogen The antiserum was produced against synthesized peptide derived from human MAP2K7 around the phosphorylation site of Thr275. AA range:241-290  Specificity Phospho-MEK-7 (T275) Monoclonal Antibody detects endogenous levels of MEK-7 protein only when phosphorylated at T275.  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 MAP2K7; JNKK2; MEK7; MKK7; PRKMK7; SKK4; Dual specificity mitogen-activated protein kinase kinase 7; MAP kinase kinase 7; MAPKK 7; JNK-activating kinase 2; MAPK/ERK kinase 7; MEK 7; Stress-activated protein kinase kinase 4; SAPK kinase 4; SAPK kinase 7; MEK 7; Stress-activated protein kinase kinase 4; SAPK kinase 4; SAPK kinase 7; MAP kinase kinase 7; MAPKIX 7; JNK-activating kinase 2; MAPK/ERK kinase 7; MEK 7; Stress-activated protein kinase kinase 4; SAPK kinase 4; SAPK kinase 4; SAPK kinase 8; SAPK kinase	Catalog No	BYmab-14394
Applications WB  Gene Name MAP2K7  Protein Name Dual specificity mitogen-activated protein kinase kinase 7  Immunogen The antiserum was produced against synthesized peptide derived from human MAP2K7 around the phosphorylation site of Thr275. AA range:241-290  Specificity Phospho-MEK-7 (T275) Monoclonal Antibody detects endogenous levels of MEK-7 protein only when phosphorylated at T275.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse,lgG  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 MAP2K7; JNKK2; MEK7; MKK7; PRKMK7; SKK4; Dual specificity mitogen-activated protein kinase kinase 7; MAP kinase kinase 7; MAPKK 7; JNK-activating kinase 2; MAPVE/ERK kinase 7; MEK 7; Stress-activated protein kinase kinase 4; SAPK kinase 4; S  Observed Band 43kD  Cell Pathway Nucleus. Cytoplasm .  Tissue Specificity Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle.  Function catalytic activity-ATP + a protein = ADP + a phosphoprotein, cofactor/Magnesium, enzyme regulation:Activated by phosphorylation by specific MAP kinase kinase kinase such as MAPSK1/INEKA, MAPSK1/INIK, 3 and MAPSK1/INEKA, MAPSK1/INIK, 3 and MAPSK1/INEKS, MAPSK1/INIK, 3 and MAPSK1/IDLK, function Stress activated, dual specificity kinase that activates the JUN kinases MAPSKI/INIKA) and MAPSK1/INIKAS and MAPSK1/INIKAS and MAPSKI/INIKAS and M	Isotype	IgG
Gene Name MAP2K7  Protein Name Dual specificity mitogen-activated protein kinase kinase 7  Immunogen The antiserum was produced against synthesized peptide derived from human MAP2K7 around the phosphorylation site of Thr275. AA range:241-290  Specificity Phospho-MEK-7 (T275) Monoclonal Antibody detects endogenous levels of MEK-7 protein only when phosphorylated at T275.  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 MAP2K7; JNKK2; MEK7; MKK7; PRKMK7, SKK4; Dual specificity mitogen-activated protein kinase kinase 7; MAP kinase kinase 7; MAPKK 7; JNK-activating kinase 2; MAPK/ERK kinase 7; MEK 7; Stress-activated protein kinase kinase 4; SAPK kinase 4; SAPK kinase 4; S  Observed Band 43kD  Cell Pathway Nucleus. Cytoplasm .  Tissue Specificity Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle.  Function calaytic activity.ATP + a protein = ADP + a phosphorpotein., cofactor: Magnesium, enzyme regulation: Activated by phosphorylation by specific MAP kinase kinases kinases such as MAP3K1/MEK4, MAP3K3/MEK5, MAP3K1/MEK43 and MAP3K1/MEK47, MAPSK3/MEK5, MAPSK1/MEK43, MAP3K1/MEK43 and MAP3K1/MEK43 and MAP3K3/MEK41, MAPSK3/MEK41, MAPSK3/MEK41, MAPSK3/MEK41, MAPSK3/MEK41, MAPSK3/MEX41, MAPSK3/MEX61, MAPSK3/MEX41, MAPSK3/MEX4	Reactivity	Human;Mouse;Rat
Protein Name   Dual specificity mitogen-activated protein kinase kinase 7	Applications	WB
Immunogen         The antiserum was produced against synthesized peptide derived from human MAP2K7 around the phosphorylation site of Thr275. AA range:241-290           Specificity         Phospho-MEK-7 (T275) Monoclonal Antibody detects endogenous levels of MEK-7 protein only when phosphorylated at T275.           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         MAP2K7; JNKK2; MEK7; MKK7; PRKMK7; SKK4; Dual specificity mitogen-activated protein kinase kinase 7; MAP kinase kinase 7; MAPKK 7; JNK-activating kinase 2; MAPK/ERK kinase 7; MEK 7; Stress-activated protein kinase kinase 4; SAPK kinase 4; S           Observed Band         43kD           Cell Pathway         Nucleus. Cytoplasm .           Tissue Specificity         Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle.           Function         phosphorptoein_cofactor:Magnesium_enzyme regulation:Activated by phosphorptoein_cofactor:Magnesium_enzyme regulation:Activated by phosphorptoein_cofactor:Magnesium.enzyme regulation:Activated by phosphorptoein_cofactor:Magnesium	Gene Name	MAP2K7
MAP2K7 around the phosphorylation site of Thr275. AA range:241-290  Specificity Phospho-MEK-7 (T275) Monoclonal Antibody detects endogenous levels of MEK-7 protein only when phosphorylated at T275.  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 MAP2K7; JNKK2; MEK7; MKK7; PRKMK7; SKK4; Dual specificity mitogen-activated protein kinase kinase 7; MAP kinase kinase 7; MAPKK 7; JNK-activated protein kinase kinase 7; MEK 7; Stress-activated protein kinase kinase 4; SAPK kinase 4; S MEK 7; Stress-activated protein kinase kinase 4; SAPK kinase 4; S Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle.  Function Catalytic activity:ATP + a protein = ADP + a phosphoprotein.cofactor:Magnesium.enzyme regulation:Activated by phosphorylation by specific MAP kinase kinase kinase such as MAP3K1/MEKK1, MAP3K3/MEKK3, MAP3K11/MLK3 and MAP3K12/DLK, function:Stress activated, dual specificity kinase that activates the JUN kinases MAPSK12/DLK, function:Stress activated, dual specificity kinase that activates the JUN kinases MAPSK12/DLK, function:Stress activated, dual specificity kinase that activates the JUN kinases MAPSK12/DLK, function:Stress activated, dual specificity kinase that activates the JUN kinases MAPSK12/MIXK1, MAPSK3/MIXK1, MAPSK3/MIXK	Protein Name	Dual specificity mitogen-activated protein kinase kinase 7
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         MAP2K7; JNKK2; MEK7; MKK7; PRKMK7; SKK4; Dual specificity mitogen-activated protein kinase kinase 7; MAP kinase kinase 7; MAPKK 7; JNK-activating kinase 2; MAPK/ERK kinase 7; MEK 7; Stress-activated protein kinase kinase 4; SAPK kinase 4; S           Observed Band         43kD           Cell Pathway         Nucleus. Cytoplasm .           Tissue Specificity         Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle.           Function         catalytic activity:ATP + a protein = ADP + a phosphorylation by specific MAP kinase kinase such as MAPSK1/MEKK1, MAP3K3/MEKK3, MAP3K1/MLK3 and MAP3K1/MEKK1, MAP3K3/MEKK3, MAP3K1/MLK3 and MAP3K1/MEK42 and	Immunogen	
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         MAP2K7; JNKK2; MEK7; MKK7; PRKMK7; SKK4; Dual specificity mitogen-activated protein kinase kinase 7; MAP kinase kinase 7; MAPKK 7; JNK-activating kinase 2; MAPK/ERK kinase 7; MEK 7; Stress-activated protein kinase kinase 4; SAPK kinase 4; S           Observed Band         43kD           Cell Pathway         Nucleus. Cytoplasm .           Tissue Specificity         Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle.           Function         catalytic activity:ATP + a protein = ADP + a phosphorylation by specific MAP kinase kinase such as MAPSK1/MEKK1, MAP3K3/MEKK3, MAP3K1/MLK3 and MAP3K1/MEKK1, MAP3K3/MEKK3, MAP3K1/MLK3 and MAP3K1/JDLK, function: Stress activated, dual specificity kinase that activates the JUN kinases MAPK8/JNK1, MAPRS/JNK2, and	Specificity	Phospho-MEK-7 (T275) Monoclonal Antibody detects endogenous levels of MEK-7 protein only when phosphorylated at T275.
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  MAP2K7; JNKK2; MEK7; MKK7; PRKMK7; SKK4; Dual specificity mitogen-activated protein kinase 7; MAP kinase kinase 7; MAPKK 7; JNK-activating kinase 2; MAPK/ERK kinase 7; MEK 7; Stress-activated protein kinase kinase 4; SAPK kinase 4; S  Observed Band  43kD  Cell Pathway  Nucleus. Cytoplasm .  Tissue Specificity  Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle.  Function  catalytic activity:ATP + a protein = ADP + a phosphorpteim. cofactor:Magnesium.,enzyme regulation:Activated by phosphorylation by specific MAP kinase kinases kinases such as MAP3K1/MEKK1, MAP3K3/MEKK3, MAP3K11/MLK3 and MAP3K12/DLK.,function:Stress activated, dual specificity kinase that activates the JUN kinases MAPSKJNK1, MAPSKJNK1, MAPSKJNK12 and	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 MAP2K7; JNKK2; MEK7; MKK7; PRKMK7; SKK4; Dual specificity mitogen-activated protein kinase kinase 7; MAP kinase kinase 7; MAPKK 7; JNK-activating kinase 2; MAPK/ERK kinase 7; MEK 7; Stress-activated protein kinase kinase 4; SAPK kinase 4; S  Observed Band 43kD  Cell Pathway Nucleus. Cytoplasm .  Tissue Specificity Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle.  Function catalytic activity: ATP + a protein = ADP + a phosphorylation by specific MAP kinase kinase kinase such as MAP3K1/DLK1, function: Stress activated, dual specificity kinase that activates the JUN kinases MAP8K1/JNK1, MAP3K3/MEKK3, MAP3K11/MLK3 and MAP3K12/DLK, function: Stress activated, dual specificity kinase that activates the JUN kinases MAPK8/JNK1, MAPBK9/JNK2 and	Source	Monoclonal, Mouse,IgG
Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       MAP2K7; JNKK2; MEK7; MKK7; PRKMK7; SKK4; Dual specificity mitogen-activated protein kinase kinase 7; MAP kinase kinase 7; MAPKK 7; JNK-activating kinase 2; MAPK/ERK kinase 7; MEK 7; Stress-activated protein kinase kinase 4; SAPK kinase 4; S         Observed Band       43kD         Cell Pathway       Nucleus. Cytoplasm .         Tissue Specificity       Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle.         Function       catalytic activity:ATP + a protein = ADP + a phosphoprotein., cofactor: Magnesium., enzyme regulation:Activated by phosphorylation by specific MAP kinase kinase kinase such as MAP3K1/MEKK1, MAP3K3/MEKK3, MAP3K11/MLK3 and MAP3K12/DLK, function:Stress activated, dual specificity kinase that activates the JUN kinases MAPK8/JNK1, MAP9JNK12 and	Purification	
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Synonyms  MAP2K7; JNKK2; MEK7; MKK7; PRKMK7; SKK4; Dual specificity mitogen-activated protein kinase kinase 7; MAP kinase kinase 7; MAPKK 7; JNK-activating kinase 2; MAPK/ERK kinase 7; MEK 7; Stress-activated protein kinase kinase 4; SAPK kinase 4; S  Observed Band  43kD  Cell Pathway  Nucleus. Cytoplasm.  Tissue Specificity  Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle.  Function  catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by phosphorylation by specific MAP kinase kinases such as MAP3K1/MEKK1, MAP3K3/MEKK3, MAP3K11/MLK3 and MAP3K12/DLK.,function:Stress activated, dual specificity kinase that activates the JUN kinases MAPK8/JNK1, MAPK9/JNK2 and	Concentration	1 mg/mi
mitogen-activated protein kinase kinase 7; MAP kinase kinase 7; MAPKK 7; JNK-activating kinase 2; MAPK/ERK kinase 7; MEK 7; Stress-activated protein kinase kinase 4; SAPK kinase 4; S  Observed Band  43kD  Cell Pathway  Nucleus. Cytoplasm.  Tissue Specificity  Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle.  Function  catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by phosphorylation by specific MAP kinase kinase kinases such as MAP3K1/MEKK1, MAP3K3/MEKK3, MAP3K11/MLK3 and MAP3K12/DLK.,function:Stress activated, dual specificity kinase that activates the JUN kinases MAPK8/JNK1, MAPK9/JNK2 and		
Cell Pathway  Nucleus. Cytoplasm.  Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle.  Function  catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by phosphorylation by specific MAP kinase kinases such as MAP3K1/MEKK1, MAP3K3/MEKK3, MAP3K11/MLK3 and MAP3K12/DLK.,function:Stress activated, dual specificity kinase that activates the JUN kinases MAPK8/JNK1, MAPK9/JNK2 and	Purity	≥90%
Tissue Specificity  Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle.  catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by phosphorylation by specific MAP kinase kinases such as MAP3K1/MEKK1, MAP3K3/MEKK3, MAP3K11/MLK3 and MAP3K12/DLK.,function:Stress activated, dual specificity kinase that activates the JUN kinases MAPK8/JNK1, MAPK9/JNK2 and	Purity Storage Stability	≥90%  -20°C/1 year  MAP2K7; JNKK2; MEK7; MKK7; PRKMK7; SKK4; Dual specificity mitogen-activated protein kinase kinase 7; MAP kinase kinase 7; MAPKK 7; JNK-activating kinase 2; MAPK/ERK kinase 7; MEK 7; Stress-activated protein
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phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by phosphorylation by specific MAP kinase kinases kinases such as MAP3K1/MEKK1, MAP3K3/MEKK3, MAP3K11/MLK3 and MAP3K12/DLK.,function:Stress activated, dual specificity kinase that activates the JUN kinases MAPK8/JNK1, MAPK9/JNK2 and	Purity Storage Stability Synonyms Observed Band	≥90%  -20°C/1 year  MAP2K7; JNKK2; MEK7; MKK7; PRKMK7; SKK4; Dual specificity mitogen-activated protein kinase kinase 7; MAP kinase kinase 7; MAPKK 7; JNK-activating kinase 2; MAPK/ERK kinase 7; MEK 7; Stress-activated protein kinase kinase 4; SAPK kinase 4; S  43kD
	Purity Storage Stability Synonyms  Observed Band Cell Pathway	≥90%  -20°C/1 year  MAP2K7; JNKK2; MEK7; MKK7; PRKMK7; SKK4; Dual specificity mitogen-activated protein kinase kinase 7; MAP kinase kinase 7; MAPKK 7; JNK-activating kinase 2; MAPK/ERK kinase 7; MEK 7; Stress-activated protein kinase kinase 4; SAPK kinase 4; S  43kD  Nucleus. Cytoplasm .  Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found

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	to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase subfamily.,similarity:Contains 1 protein kinase domain.,tissue specificity:Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle.,
Background	The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase specifically activates MAPK8/JNK1 and MAPK9/JNK2, and this kinase itself is phosphorylated and activated by MAP kinase kinases including MAP3K1/MEKK1, MAP3K2/MEKK2,MAP3K3/MEKK5, and MAP4K2/GCK. This kinase is involved in the signal transduction mediating the cell responses to proinflammatory cytokines, and environmental stresses. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014],
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**

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