



# Rsk-1/2/3/4 (phospho Ser221/227/S218/232) Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                  |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-14403                                                                                                                                                                                                                                       |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                              |
| <b>Reactivity</b>         | Human;Mouse                                                                                                                                                                                                                                      |
| <b>Applications</b>       | WB;ELISA                                                                                                                                                                                                                                         |
| <b>Gene Name</b>          | RPS6KA1                                                                                                                                                                                                                                          |
| <b>Protein Name</b>       | Ribosomal protein S6 kinase alpha-1                                                                                                                                                                                                              |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human RSK1/2/3/4 around the phosphorylation site of Ser221/227/S218/232. AA range:191-240                                                                                    |
| <b>Specificity</b>        | Phospho-Rsk-1/2/3/4 (S221/227/S218/232) Polyclonal Antibody detects endogenous levels of Rsk-1/2/3/4 protein only when phosphorylated at S221/227/S218/232.                                                                                      |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                          |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                           |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                            |
| <b>Dilution</b>           | Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.                                                                                                                                                              |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                          |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                             |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                     |
| <b>Synonyms</b>           | RPS6KA1; MAPKAPK1A; RSK1; Ribosomal protein S6 kinase alpha-1; S6K-alpha-1; 90 kDa ribosomal protein S6 kinase 1; p90-RSK 1; p90RSK1; p90S6K; MAP kinase-activated protein kinase 1a; MAPK-activated protein kinase 1a; MAPKAP kinase 1a; MAPKAP |
| <b>Observed Band</b>      | 85kD                                                                                                                                                                                                                                             |
| <b>Cell Pathway</b>       | Nucleus. Cytoplasm.                                                                                                                                                                                                                              |
| <b>Tissue Specificity</b> | Colon,Epithelium,                                                                                                                                                                                                                                |
| <b>Function</b>           | catalytic activity:ATP + a protein = ADP + a phosphoprotein.,caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline                                                                                              |

**Nanjing BYabscience technology Co.,Ltd**



and should be considered as preliminary data.,cofactor:Magnesium.,enzyme regulation:Activated by multiple phosphorylations on threonine and serine residues.,function:Serine/threonine kinase that may play a role in mediating the growth-factor and stress induced activation of the transcription factor CREB.,PTM:Autophosphorylated on Ser-380, as part of the activation process.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. S6 kinase subfamily.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 2 protein kinase domains.,subunit:Forms a complex with either ERK1 or ERK2 in quiescent cells. Transiently dissociates following mitogenic s

**Background**

ribosomal protein S6 kinase A1(RPS6KA1) Homo sapiens This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008],

**matters needing attention**

Avoid repeated freezing and thawing!

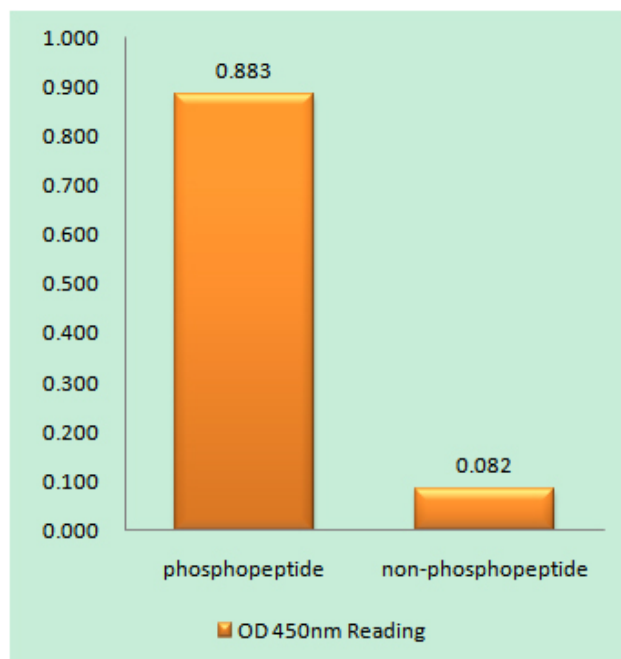
**Usage suggestions**

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

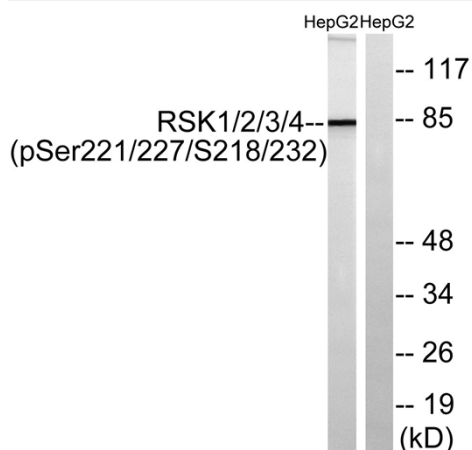
Nanjing BYabscience technology Co.,Ltd



## Products Images



Enzyme-Linked Immunosorbent Assay  
(Phospho-ELISA) for Immunogen Phosphopeptide  
(Phospho-left) and Non-Phosphopeptide  
(Phospho-right), using RSK1/2/3/4  
(Phospho-Ser221/227/S218/232) Antibody



Western blot analysis of lysates from HepG2 cells  
treated with EGF 200ng/ml 30', using RSK1/2/3/4  
(Phospho-Ser221/227/S218/232) Antibody. The lane  
on the right is blocked with the phospho peptide.

Nanjing BYabs science technology Co.,Ltd

网址: [www.njbybio.com](http://www.njbybio.com)

官方热线: 025-5229-8998

监督电话: 15950492658