Rsk-1/2/3/4 (Phospho Ser221/227/218/232) Rabbit pAb

CatalogNo: YP0436 Orthogonal Validated

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse

Applications
- WB,ELISA

MW
- 85kD (Observed)

Isotype
- IgG

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000
ELISA 1:40000
Not yet tested in other applications.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	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

Specificity	This antibody detects endogenous levels of RSK1/2/3/4 only when phosphorylated at Human:S221/227/S218/232, Mouse:S221/227/S218/252..The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):AYsFC

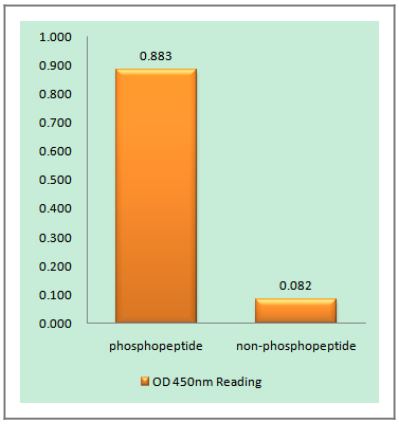
Target Information

Gene name	RPS6KA1
Protein Name	Ribosomal protein S6 kinase alpha-1

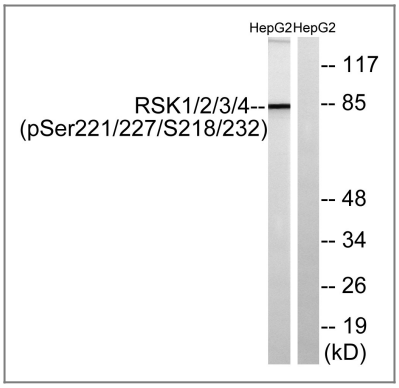
Organism	Gene ID	UniProt ID
Human	6195; 6197; 6196; 27330;	Q15418; P51812; Q15349; Q9UK32;
Mouse	110651; 20112; 67071;	

Cellular Localization	Nucleus. Cytoplasm.
Tissue specificity	Colon ,Epithelium ,
Function	Catalytic activity:ATP + a protein = ADP + a phosphoprotein. ,Caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline 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 stimulation. ,

Validation Data



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.

Contact information

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Please scan the QR code to access additional product information:
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