

RPS6KC1 Rabbit pAb

Catalog # AP99445

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q96S38
Other Accession	Q96S38
Reactivity	Mouse
Predicted	Rat, Pig, Human, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	118682
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RPS6KC1
Epitope Specificity	201-300/1066
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. S6 kinase subfamily. Contains 1 MIT domain. Contains 2 protein kinase domains. Contains 1 PX (phox homology) domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	p52 S6 kinase, also known as RPS6KC1 (ribosomal protein S6 kinase, 52kDa, polypeptide 1) or RPK118, is a 1,066 amino acid member of the Ser/Thr kinase family that localizes to both the cytoplasm and the nucleus and contains one MIT domain, one PX domain and two protein kinase domains. Expressed at high levels in brain, placenta, heart, testis, kidney, liver and skeletal muscle, p52 S6 kinase catalyzes the ATP-dependent phosphorylation of target proteins and is thought to be involved in transmitting sphingosine-1 phosphate (SPP)-mediated signaling into the cell.

Additional Information

Gene ID	26750
Other Names	RPK118; RSKL1; S6K-delta-1; S6PKh1; humS6PKh1; B130003F20Rik; KS6C1_HUMAN; RPS6KC1; 52 kDa ribosomal protein S6 kinase; Ribosomal S6 kinase-like protein with two PSK domains 118 kDa protein; SPHK1-binding protein; 2.7.11.1; KS6C1_MOUSE; ribosomal protein S6 kinase C1; ribosomal protein S6 kinase, 52kD, polypeptide 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	RPS6KC1
Synonyms	RPK118
Function	May be involved in transmitting sphingosine-1 phosphate (SPP)-mediated signaling into the cell (PubMed: 12077123). Plays a role in the recruitment of PRDX3 to early endosomes (PubMed: 15750338).
Cellular Location	Cytoplasm. Membrane Early endosome
Tissue Location	Highly expressed in testis, skeletal muscle, brain, heart, placenta, kidney and liver and weakly expressed in thymus, small intestine, lung and colon.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.