Rabbit anti-Mouse, Rat p70 S6 kinase alpha Polyclonal Antibody | anti-RPS6KB1 antibody

p70 S6 kinase alpha Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA173758	**Rabbit**	**Mouse, Rat**	**Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

p70 S6 kinase alpha; Polyclonal Antibody; p70 S6 kinase alpha Polyclonal Antibody; RPS6KB1; STK14A; Ribosomal protein S6 kinase beta-1; S6K-beta-1; S6K1; 70 kDa ribosomal protein S6 kinase 1; P70S6K1; p70-S6K 1; Ribosomal protein S6 kinase I; Serine/threonine-protein kinase 14A; p70 ribosomal S6 kinase alpha; p70 S6 kinas; anti-RPS6KB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/mL (varies by lot)
Sequence Length	502
Applicable Applications for anti-RPS6KB1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Protein
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescence analysis of Mouse spleen tissue using p70 S6 kinase alpha Polyclonal Antibody at dilution of 1:200.

IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded Rat lung tissue using p70 S6 kinase alpha Polyclonal Antibody at dilution of 1:200.

WB (Western Blot)
Western Blot analysis of 1) 3T3, 2) PC12 cells using p70 S6 kinase alpha Polyclonal Antibody at dilution of 1:20000.

ADDITIONAL INFORMATION

Related Product Information for anti-RPS6KB1 antibody	P70 S6 Kinase alpha is a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases and contains 2 non-identical kinase catalytic domains. It phosphorylates several residues of the S6 ribosomal protein. The kinase activity of this protein is activated by serine/threonine phosphorylation and protein kinase C and inactivated by type 2A phosphatase. Activation leads to an increase in protein synthesis and cell proliferation. Overexpression of this kinase is involved in some breast cancer cell lines. Alternate translational start sites have been described and alternate transcriptional splice variants have been observed but have not been thoroughly characterized.

NCBI AND UNIPROT INFORMATION

NCBI GI #	440546395
NCBI GeneID	6198
NCBI Accession #	NP_001258971.1
NCBI GenBank Nucleotide #	NM_001272042.1
UniProt Accession #	P23443; Q7Z721; B2R779; B4DLT4; B4DTG1; E7ESB8; F6UYM1
Molecular Weight	70; 85kDa
NCBI Official Full Name	ribosomal protein S6 kinase beta-1 isoform b
NCBI Official Synonym Full Names	ribosomal protein S6 kinase B1
NCBI Official Symbol	RPS6KB1
NCBI Official Synonym Symbols	S6K; PS6K; S6K1; STK14A; p70-S6K; p70 S6KA; p70-alpha; S6K-beta-1; p70(S6K)-alpha
NCBI Protein Information	ribosomal protein S6 kinase beta-1
UniProt Protein Name	Ribosomal protein S6 kinase beta-1
UniProt Gene Name	**RPS6KB1**
UniProt Synonym Gene Names	STK14A; S6K-beta-1; S6K1; P70S6K1; p70-S6K 1; p70 S6 kinase alpha; p70 S6K-alpha; p70 S6KA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/p70-s6-kinase-alpha-antibody-immunohistochemistry-western-blot-elisa/173758