

Rabbit p70S6K Polyclonal Antibody | anti-p70S6K antibody

Rabbit anti p70S6K Polyclonal antibody

CATALOG # AAA71398	HOST Rabbit	REACTIVITY Human, Rat, Mouse, Chicken, Bovine. Canine	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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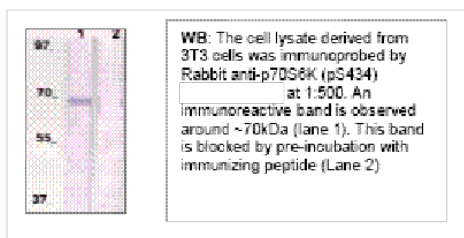
PRODUCT SYNONYMS

p70S6K; Polyclonal Antibody; Rabbit anti p70S6K Polyclonal antibody; Rabbit anti-p70S6K; RPS6KB1; S6K kinase; Ribosomal protein S6K kinase; anti-p70S6K antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse, Chicken, Bovine. Canine
Clonality	Polyclonal
Specificity	This antibody recognizes ~70 kDa of human p70S6K protein. This antibody also reacts with mouse and rat. The other species are not tested.
Purity/Purification	The Rabbit IgG is purified by Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Phosphate-buffered saline (pH7.2) containing antibody stabilizer
Concentration	Size: 100 ug/200 ul (varies by lot)
Applicable Applications for anti-p70S6K antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Preparation	A synthetic peptide corresponding to the C-terminus of human p70S6K protein. This sequence is identical within human, rat, mouse, bovine, chicken and dog.
Positive Control	3T3 cells
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70 degree C. The antibodies can be stored at 2 degree C-8 degree C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-p70S6K antibody	S6 kinase, or p70 S6 Kinase, a mitogen activated Ser/Thr protein kinase, is required for cell growth and G1 cell cycle progression. P70 S6 Kinase and single 4E-BP are phosphorylated via the insulin and target of rapamycin (TOR) signaling pathway which is independent of PI3K and AKT activity. On the other hand, the oncogenic transformation by P3k and Akt is dependent on targets that control translation: transforming activity, which is correlated with phosphorylation and activation of S6K and eliminated by the mTOR inhibitor rapamycin. S6K phosphorylates the S6 protein of the 40S ribosomal subunit.
References	Mathieu Miron, et al. Signaling from Akt to FRAP/TOR Targets both 4E-BP and S6K in Drosophila melanogaster. (2003) Molecular and Cellular Biology, 23 (24), 9117-9126.

NCBI AND UNIPROT INFORMATION

NCBI GI #	37702835
NCBI GeneID	404181
UniProt Accession #	Q6TJY3
Molecular Weight	70 kDa
NCBI Official Full Name	p70S6K
NCBI Official Symbol	RPS6KB1
NCBI Official Synonym Symbols	S6K1
NCBI Protein Information	ribosomal protein S6 kinase beta-1; S6K; p70S6K; P70S6K1; p70-S6K 1; S6K-beta-1; p70(S6K)-alpha; p70 S6 kinase alpha; ribosomal protein S6 kinase I; 70 kDa ribosomal protein S6 kinase 1
UniProt Protein Name	Ribosomal protein S6 kinase beta-1
UniProt Gene Name	RPS6KB1
UniProt Entry Name	KS6B1_BOVIN

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/p70s6k-antibody-immunohistochemistry-western-blot-elisa/71398>