

Rabbit Rps6kb1 Polyclonal Antibody | anti-Rps6kb1 antibody

Mouse Rps6kb1 Antibody (C-term)

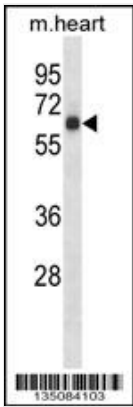
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285402	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Rabbit, Rat)	ELISA, Western Blot

PRODUCT SYNONYMS

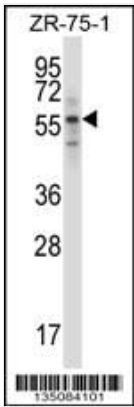
Rps6kb1; Polyclonal Antibody; Mouse Rps6kb1 Antibody (C-term); Ribosomal protein S6 kinase beta-1; S6K-beta-1; S6K1; 70 kDa ribosomal protein S6 kinase 1; P70S6K1; p70-S6K 1; Ribosomal protein S6 kinase I; S6K; p70 ribosomal S6 kinase alpha; p70 S6 kinase alpha; p70 S6K-alpha; p70 S6KA; anti-Rps6kb1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Rabbit, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Rps6kb1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 481-509 amino acids from the C-terminal region of mouse Rps6kb1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	481-509
Sequence Length	502
Applicable Applications for anti-Rps6kb1 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	MOUSE
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Mouse Rps6kb1 Antibody (C-term) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the Rps6kb1 antibody detected the Rps6kb1 protein (arrow).



WB (Western Blot)
Mouse Rps6kb1 Antibody (C-term) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the Rps6kb1 antibody detected the Rps6kb1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-Rps6kb1 antibody	Rps6kb1 acts to integrate nutrient and growth factor signals in regulation of protein synthesis, cell proliferation, cell growth, cell cycle progression and cell survival. Downstream effector of the mTOR signaling pathway. Phosphorylates specifically ribosomal protein S6 in response to insulin or several classes of mitogens. During translation initiation, the inactive form associatess with the eIF-3 complex under conditions of nutrient depletion. Mitogenic stimulation leads to phosphorylation and dissociation from the eIF-3 complex and the free activated form can phosphorylate other translational targets including EIF4B. Promotes protein synthesis by phosphorylating PDCD4 at 'Ser-67' and targeting it for degradation. Phosphorylates RICTOR leading to regulation of mammalian target of rapamycin complex 2 (mTORC2) signaling; probably phosphorylates RICTOR at 'Thr-1135'. Phosphorylates IRS1 at multiple serine residues coupled with insulin resistance; probably phosphorylates IRS1 at 'Ser-270'. Required for TNF-alpha induced IRS-1 degradation. Phosphorylates EEF2K in response to IGF1 and inhibits EEF2K activity. Phosphorylates BAD at 'Ser-136' in response to IGF1 leading to BAD inactivation and inhibition of BAD-induced apoptosis. Phosphorylates mitochondrial RMP leading to dissociation of a RMP:PPP1CC complex; probably phosphorylates RMP at 'Ser-136'. The free mitochondrial PPP1CC can dephosphorylate RPS6KB1 at Thr-412 which is proposed to be a negative feed back mechanism for the RPS6KB1 antiapoptotic function. Phosphorylates POLDIP3 (By similarity).
Product Categories/Family for anti-Rps6kb1 antibody	Cancer; Cell Biology; Signal transduction
References	Lai, K.P., et al. EMBO J. 29(17):2994-3006(2010) Michels, A.A., et al. Mol. Cell. Biol. 30(15):3749-3757(2010) Witkowski, S., et al. FEBS Lett. 584(13):2891-2895(2010) Carnevalli, L.S., et al. Dev. Cell 18(5):763-774(2010) Hamilton, D.L., et al. BMC Cell Biol. 11, 37 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	166999987
NCBI GeneID	72508
NCBI Accession #	NP_001107806.1
NCBI GenBank Nucleotide #	NM_001114334.1
UniProt Accession #	Q8BSK8; Q5SWG1; Q8CHX0
Molecular Weight	59146
NCBI Official Full Name	ribosomal protein S6 kinase beta-1 isoform 1
NCBI Official Synonym Full Names	ribosomal protein S6 kinase, polypeptide 1

NCBI Official Symbol	Rps6kb1
NCBI Official Synonym Symbols	S6K1; 70kDa; p70s6k; AA959758; AI256796; AI314060; p70/85s6k; 2610318I15Rik; 4732464A07Rik
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	S6K-beta-1; S6K1; P70S6K1; p70-S6K 1; S6K; p70 S6 kinase alpha; p70 S6K-alpha; p70 S6KA
UniProt Entry Name	KS6B1_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/rps6kb1-antibody-western-blot-elisa/285402>