

Rabbit anti-Human Ribosomal protein S6 kinase beta-2 Polyclonal Antibody | anti-RPS6KB2 antibody

Rabbit anti-human Ribosomal protein S6 kinase beta-2 polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229211	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA

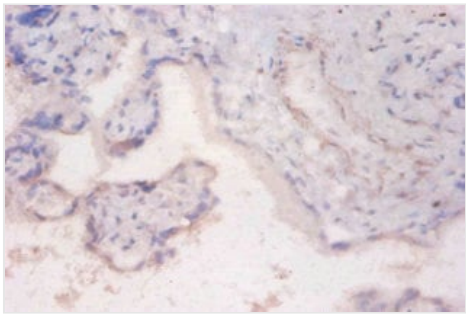
PRODUCT SYNONYMS

Ribosomal protein S6 kinase beta-2; Polyclonal Antibody; Rabbit anti-human Ribosomal protein S6 kinase beta-2 polyclonal Antibody; S6K-beta-2; S6K2; 70 kDa ribosomal protein S6 kinase 2; S6 kinase-related kinase; Serine/threonine-protein kinase 14B; p70 ribosomal S6 kinase beta; S6K-beta; p70 S6 kinase beta; p70 S6K-beta; RPS6KB2; STK14B; anti-RPS6KB2 antibody

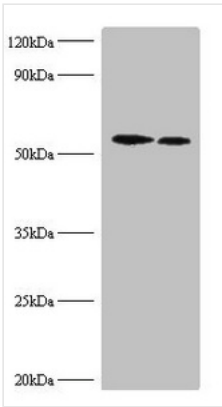
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	482
Applicable Applications for anti-RPS6KB2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Ribosomal protein S6 kinase beta-2 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-9379 / sc-9381 / sc-130833
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human placenta using AAA229211 at dilution of 1:100



WB (Western Blot)
Western blotAll lanes: Ribosomal protein S6 kinase beta-2 antibody at 2ug/mlLane 1: EC109 whole cell lysateLane 2: 293T whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/15000 dilutionPredicted band size: 54,17 kDaObserved band size: 53 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-RPS6KB2 antibody	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-99' 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-99'. 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 GSK3B at 'Ser-9' under conditions leading to loss of the TSC1-TSC2 complex. Phosphorylates POLDIP3. This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates the S6 ribosomal protein and eucaryotic translation initiation factor 4B (eIF4B). Phosphorylation of S6 leads to an increase in protein synthesis and cell proliferation.
Product Categories/Family for anti-RPS6KB2 antibody	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	55953117
NCBI GeneID	6199
NCBI Accession #	NP_003943.2
NCBI GenBank Nucleotide #	NM_003952.2
UniProt Accession #	Q9UBS0 ; O94809 ; Q9UEC1 ; B2RMZ9 ; B4DML8
Molecular Weight	16,868 Da
NCBI Official Full Name	ribosomal protein S6 kinase beta-2
NCBI Official Synonym Full Names	ribosomal protein S6 kinase B2

NCBI Official Symbol	RPS6KB2
NCBI Official Synonym Symbols	KLS; SRK; S6K2; STK14B; p70S6Kb; P70-beta; S6K-beta2; P70-beta-1; P70-beta-2; p70(S6K)-beta
NCBI Protein Information	ribosomal protein S6 kinase beta-2
UniProt Protein Name	Ribosomal protein S6 kinase beta-2
UniProt Gene Name	RPS6KB2
UniProt Synonym Gene Names	STK14B; S6K-beta-2; S6K2; P70S6K2; p70-S6K 2; SRK; S6K-beta; p70 S6 kinase beta; p70 S6K-beta; p70 S6KB; p70-beta
UniProt Entry Name	KS6B2_HUMAN

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/ribosomal-protein-s6-kinase-beta-2-antibody-immunohistochemistry-western-blot-elisa/229211>