

Mouse p70S6 Kinase Monoclonal Antibody | anti-RPS6KB2 antibody

p70 S6 Kinase (Phospho-Ser 411) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA310991	Mouse	Human, Mouse, Rat	Immunohistochemistry, Immunofluorescence, Immunoprecipitation, Western Blot

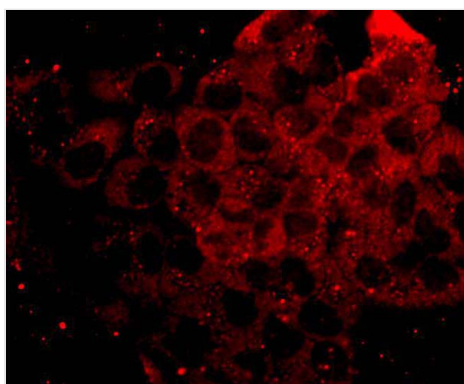
PRODUCT SYNONYMS

p70S6 Kinase; Monoclonal Antibody; p70 S6 Kinase (Phospho-Ser 411) Antibody; 70 kDa ribosomal protein S6 kinase 2 antibody; EC 2.7.11.1 antibody; KS6B2_HUMAN antibody; p70 beta antibody; p70 ribosomal S6 kinase beta antibody; p70 S6 kinase beta antibody; p70 S6K-beta antibody; p70 S6KB antibody; p70 S6Kbeta antibody; p70 (S6K) beta antibody; p70-beta antibody; p70-S6K 2 antibody; P70S6K2 antibody; p70S6Kb antibody; Ribosomal protein S6 kinase 70kDa; polypeptide 2 antibody; Ribosomal protein S6 kinase beta 2 antibody; Ribosomal protein S6 kinase beta-2 antibody; Rps6kb2 antibody; S6 kinase related kinase antibody; S6 kinase-related kinase antibody; S6K beta 2 antibody; S6K beta antibody; S6K-beta antibody; S6K-beta-2 antibody; S6K2 antibody; Serine/threonine protein kinase 14 beta antibody; Serine/threonine-protein kinase 14B antibody; SRK antibody; STK14B antibody; anti-RPS6KB2 antibody

PRODUCT SPECIFICATIONS

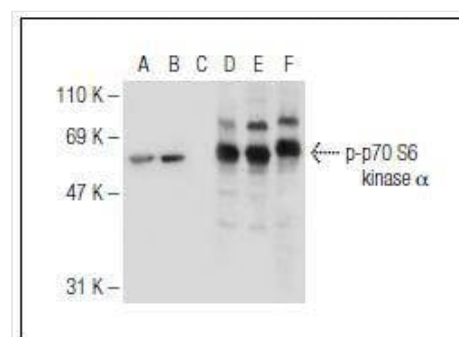
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	2G1
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-RPS6KB2 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A sequence containing Ser 411 phosphorylated p70 S6 kinase alpha isoform 2 of human origin.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of anisomycin-treated, methanol-fixed NIH/3T3 cells, showing cytoplasmic and nuclear localization of activated p70 S6 kinase alpha (A). Immunoperoxidase staining of formalin fixed, paraffin-embedded human esophagus tissue showing nuclear staining of squamous epithelial cells (B).



WB (Western Blot)

Western blot analysis of p70 S6 kinase alpha phosphorylation in untreated (A, D), insulin treated (B, E) and insulin treated and lambda protein phosphatase treated (C, F) HEK293 whole cell lysates. Antibodies tested include p-p70 S6 kinase alpha (A-6) (A, B, C) and p70 S6 kinase alpha (C-18) (D, E, F).

ADDITIONAL INFORMATION

Related Product Information for anti-RPS6KB2 antibody	In studies to elucidate key regulatory pathways in signal transduction, several protein serine/threonine (Ser/Thr) kinases have been identified. Included among such kinases are two distinct families of 40S ribosomal protein S6 Ser/Thr kinases present in somatic animal cells, designated p70 S6 kinase and p90 Rsk kinase. p90 Rsk kinase is maximally activated within minutes of addition of growth factors or phorbol ester to cultured cells followed by activation of p70 S6 kinase. Both enzymes are regulated by serine/threonine phosphorylation, suggesting that specific kinases may exist upstream in the signaling pathway that regulate these kinases. In fact, evidence suggests that one such family of activating enzymes includes the members of the ERK MAP kinase family. The ERK MAP kinases are, in turn, regulated by phosphorylation at threonine and tyrosine residues by a protein kinase designated MEK.
Product Categories/Family for anti-RPS6KB2 antibody	Phospho-specific Ab

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
Molecular Weight	53,455 Da
NCBI Official Full Name	ribosomal protein S6 kinase beta-2
NCBI Official Synonym Full Names	ribosomal protein S6 kinase, 70kDa, polypeptide 2
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; P70S6K2; S6K-beta; p70 S6KB; p70-S6K 2; S6K-beta-2; p70 S6K-beta; p70 S6 kinase beta; S6 kinase-related kinase; p70 ribosomal S6 kinase beta; serine/threonine-protein kinase 14B; 70 kDa ribosomal protein S6 kinase 2; se
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/monoclonal/p70s6-kinase-antibody-clone-2g1-immunohistochemistry-immunofluorescence-immunoprecipitation-western-blot-elisa/310991>