

Rabbit p70S6 Kinase beta Polyclonal Antibody | anti-RPS6KB2 antibody

p70 S6 Kinase beta Antibody

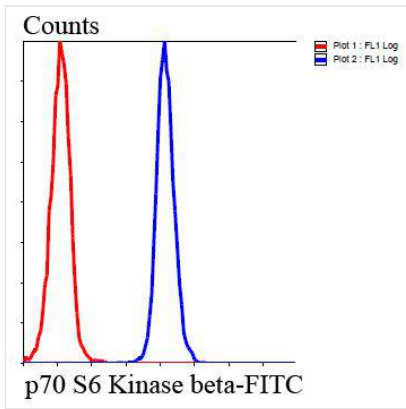
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29952	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

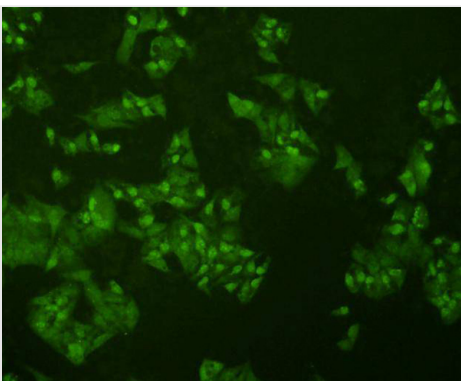
p70S6 Kinase beta; Polyclonal Antibody; p70 S6 Kinase beta Antibody; 70 kDa ribosomal protein S6 kinase 2 antibody; EC 2.7.11.1 antibody; KS6B2_HUMAN antibody; p70 beta antibody; p70 ribosomal S6 kinase beta antibody; p70 S6 kinase beta antibody; p70 S6K-beta antibody; p70 S6KB antibody; p70 S6Kbeta 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

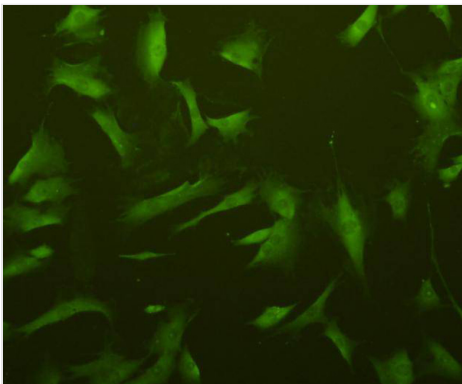
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-RPS6KB2 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:500 IHC: 1:200 ICC: 1:200 FC/FACS: 1:100-1:200
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.



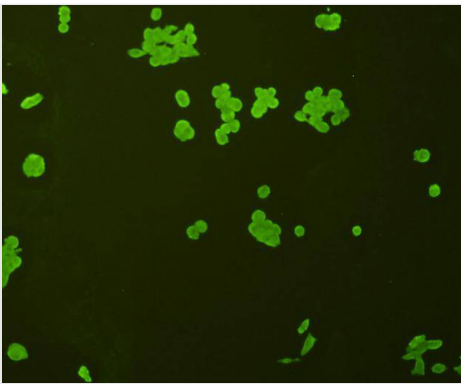
FCM (Flow Cytometry)
Flow cytometric analysis of HepG2 cells with p70 S6 Kinase beta antibody at 1/100 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Goat anti rabbit IgG (FITC) was used as the secondary antibody.



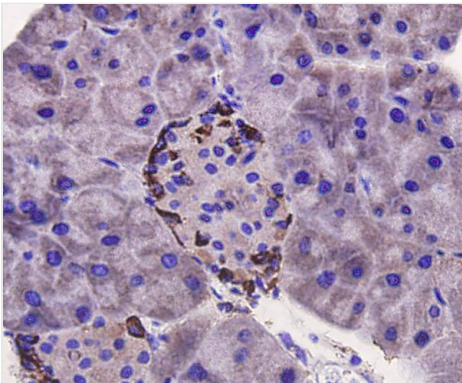
ICC (Immunocytochemistry)
ICC staining p70 S6 Kinase beta in HeLa cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



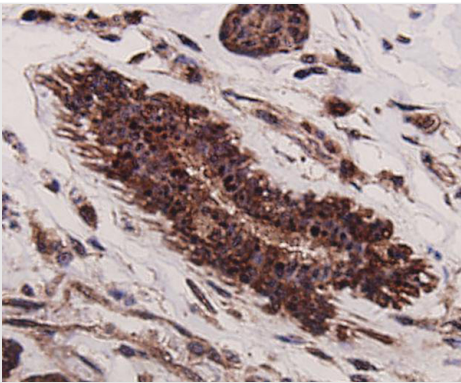
ICC (Immunocytochemistry)
ICC staining p70 S6 Kinase beta in NIH/3T3 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)
ICC staining p70 S6 Kinase beta in Lovo cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue using anti- p70 S6 Kinase beta antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti- p70 S6 Kinase beta antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-RPS6KB2 antibody	p70 S6 kinase is a mitogen activated Ser/Thr protein kinase that is required for cell growth and G1 cell cycle progression. p70 S6 kinase phosphorylates the S6 protein of the 40S ribosomal subunit and is involved in translational control of 5' oligopyrimidine tract mRNAs. A second isoform, p85 S6 kinase, is derived from the same gene and is identical to p70 S6 kinase except for 23 extra residues at the amino terminus, which encode a nuclear localizing signal. Both isoforms lie on a mitogen activated signaling pathway downstream of phosphoinositide-3 kinase (PI-3K) and the target of rapamycin, FRAP/mTOR, a pathway distinct from the Ras/MAP kinase cascade. Ribosomal protein S6 kinase beta-2 is an enzyme that in humans is encoded by the RPS6KB2 gene. Phosphorylation of S6 leads to an increase in protein synthesis and cell proliferation.
Product Categories/Family for anti-RPS6KB2 antibody	Total protein 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.