

Rabbit anti-Human S6K1/RPS6KB1 Polyclonal Antibody | anti-S6K1/RPS6KB1 antibody

S6K1/RPS6KB1 Antibody, Rabbit PAb, Antigen Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258624	Rabbit	Human	Immunohistochemistry, Western Blot

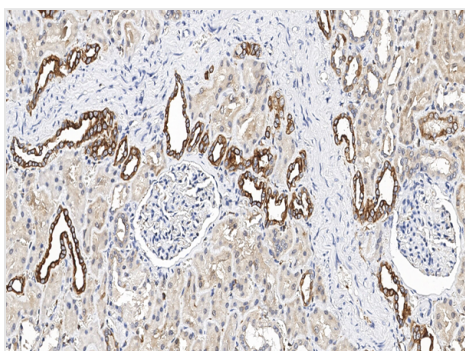
PRODUCT SYNONYMS

S6K1/RPS6KB1; Polyclonal Antibody; S6K1/RPS6KB1 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-p70 S6KA Antibody; Anti-p70(S6K)-alpha Antibody; Anti-p70-alpha Antibody; Anti-p70-S6K Antibody; Anti-PS6K Antibody; Anti-RPS6KB1 Antibody; Anti-S6K Antibody; Anti-S6K-beta-1 Antibody; Anti-S6K1 Antibody; Anti-STK14A Antibody; anti-S6K1/RPS6KB1 antibody

PRODUCT SPECIFICATIONS

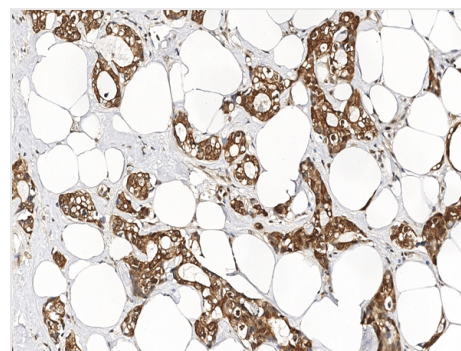
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Human S6K1/RPS6KB1
Applicable Applications for anti-S6K1/RPS6KB1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human S6K1/RPS6KB1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



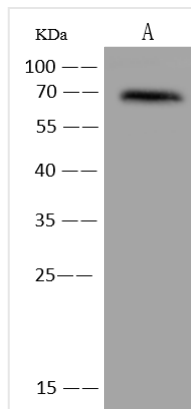
IHC (Immunohistochemistry)

Immunochemical staining of human S6K1 in human kidney with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human S6K1 in human breast carcinoma with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-S6K1/RPS6KB1 rabbit polyclonal antibody at 1:500 dilution; Lane A:293 Whole Cell Lysate; Lysates/proteins at 30 ug per lane.; Secondary; Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.; Developed using the ECL technique.; Performed under reducing conditions.; Predicted band size:59 kDa; Observed band size:59 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-S6K1/RPS6KB1 antibody	PS6K, also known as RPS6KB1, is a serine/threonine-protein kinase. It belongs to the RSK (ribosomal s6 kinase) family. Members of this family function in signal transduction. PS6K is an isoform of p70 ribosomal S6 kinase (S6K). S6K can be activated by mitogenic stimuli such as growth factors, insulin and cytokines. It phosphorylates the ribosomal protein S6. PS6K also phosphorylates other proteins such as eIF4B, eEF2K and SKAR. It is a crucial effector of mTOR(rapamycin) signaling. PS6K is dissociated from the EIF3 complex and activated upon mitogenic stimulation, phosphorylation by the mammalian target of mTOR complex 1 (mTORC1). Its active form then phosphorylates and activates several substrates in the preinitiation complex, including the EIF2B complex and the cap-binding complex component EIF4B. PS6K also functions in cell proliferation, cell growth and cell cycle progression.
Product Categories/Family for anti-S6K1/RPS6KB1 antibody	signal pathway ; Drug Targets ; AKT Signaling Pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	440546416
NCBI GeneID	6198
NCBI Accession #	NP_001258989.1
NCBI GenBank Nucleotide #	NM_001272060.1
UniProt Accession #	P23443
Molecular Weight	59,140 Da
NCBI Official Full Name	ribosomal protein S6 kinase beta-1 isoform e
NCBI Official Synonym Full Names	ribosomal protein S6 kinase, 70kDa, polypeptide 1
NCBI Official Symbol	RPS6KB1
NCBI Official Synonym Symbols	S6K; PS6K; S6K1; STK14A; p70-S6K; p70 S6KA; p70-alpha; S6K-beta-1; p70(S6K)-alpha
NCBI Protein Information	ribosomal protein S6 kinase beta-1; p70 S6 kinase, alpha; ribosomal protein S6 kinase I; serine/threonine kinase 14 alpha; serine/threonine-protein kinase 14A
UniProt Protein Name	Ribosomal protein S6 kinase beta-1
UniProt Gene Name	RPS6KB1
UniProt Synonym Gene Names	STK14A; S6K-beta-1; S6K1; P70S6K1; p70-S6K 1; p70 S6 kinase alpha; p70 S6K-alpha; p70 S6KA

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/s6k1-rps6kb1-antibody-immunohistochemistry-western-blot-elisa/258624>