

Rabbit anti-Human RPS6K1 Polyclonal Antibody | anti-RPS6KA1 antibody

RPS6K1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39766	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

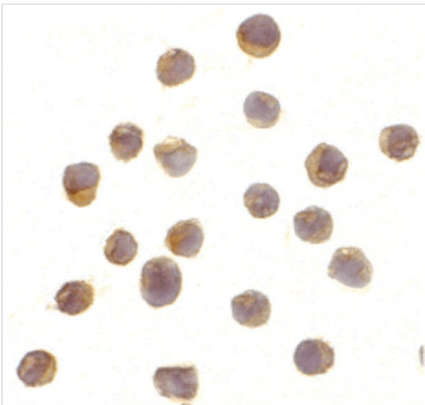
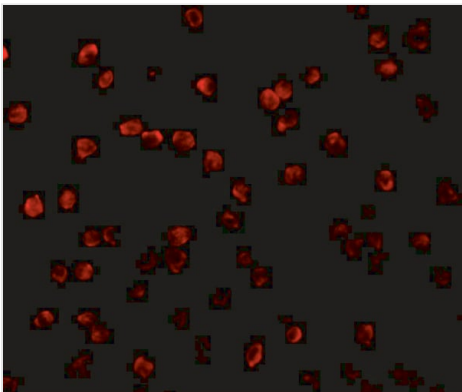
PRODUCT SYNONYMS

RPS6K1; Polyclonal Antibody; RPS6K1 Antibody; RSK; HU-1; RSK1; MAPKAPK1A; Ribosomal protein S6 kinase alpha-1; 90 kDa ribosomal protein S6 kinase 1; S6K-alpha-1; ribosomal protein S6 kinase; 90kDa; polypeptide 1; anti-RPS6KA1 antibody

PRODUCT SPECIFICATIONS

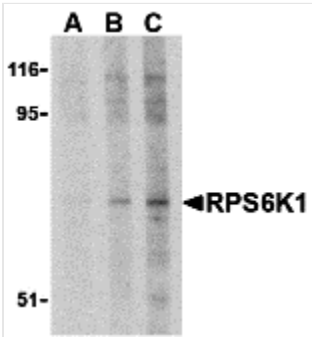
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	RPS6K1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	735
Applicable Applications for anti-RPS6KA1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	RPS6K1 antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human RPS6K1.
Buffer	RPS6K1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	RPS6K1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of RP S6 Kinase in Jurkat cells with RP S6 Kinase antibody at 20 μ g/mL.

ICC (Immunocytochemistry)
Immunocytochemistry of RPS6K1 in Jurkat cells with RPS6K1 antibody at 10 μ g/mL.



WB (Western Blot)
Western blot analysis of RPS6K1 in Jurkat cell lysate with RPS6K1 antibody at (A) 2.5, (B) 5 and (C) 10 μ g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-RPS6KA1 antibody

RPS6K1 Antibody: Ribosomal protein S6 kinase 1 (RPS6K1) is the best characterized effector of the mammalian Target of Rapamycin (TOR), an evolutionarily conserved serine/threonine kinase that regulates cell growth and cell cycle through its ability to integrate signals from nutrient levels and growth factors. Nutrients and growth factors stimulate a complex including TOR, raptor (regulatory associated protein of TOR), and GbetaL to phosphorylate RPS6K1 and the eukaryotic initiation factor 4E binding protein (4EBP1), leading to increased protein synthesis and cell growth. RPS6K1 is thought to desensitize tissues to insulin as mice deficient in RPS6K1 have been shown to be hypersensitive to insulin and impervious to obesity-induced insulin resistance seen in wild type obese mice.

NCBI AND UNIPROT INFORMATION

NCBI GI #	292457
NCBI GeneID	6195
UniProt Accession #	Q15418; Q5SVM5; Q5SVM8; Q5SVM9; Q96C05; Q9BQK2; A6NGG4; A8K9K7; B2RDY8; B7Z5J0
Molecular Weight	72,698 Da
NCBI Official Full Name	ribosomal protein S6 kinase 1
NCBI Official Synonym Full Names	ribosomal protein S6 kinase, 90kDa, polypeptide 1
NCBI Official Symbol	RPS6KA1
NCBI Official Synonym Symbols	RSK; HU-1; RSK1; p90Rsk; MAPKAPK1A

NCBI Protein Information	ribosomal protein S6 kinase alpha-1; RSK-1; p90S6K; p90RSK1; p90-RSK 1; MAPKAPK-1a; S6K-alpha 1; S6K-alpha-1; MAPKAP kinase 1a; ribosomal S6 kinase 1; MAPK-activated protein kinase 1a; ribosomal protein S6 kinase alpha 1; 90 kDa ribosomal protein S6 kinase 1; MAP kinase-activated protein kinase 1a; dJ590P13.1 (ribosomal protein S6 kinase, 90kD, polypeptide 1)
UniProt Protein Name	Ribosomal protein S6 kinase alpha-1
UniProt Gene Name	RPS6KA1
UniProt Synonym Gene Names	MAPKAPK1A; RSK1; S6K-alpha-1; p90-RSK 1; p90RSK1; p90S6K; MAPK-activated protein kinase 1a; MAPKAP kinase 1a; MAPKAPK-1a; RSK-1
UniProt Entry Name	KS6A1_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/rps6k1-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/39766>