

Rabbit RSK1/RPS6KA1 Polyclonal Antibody | anti-RPS6KA1 antibody

Anti-RSK1/RPS6KA1 Antibody, Rabbit Polyclonal

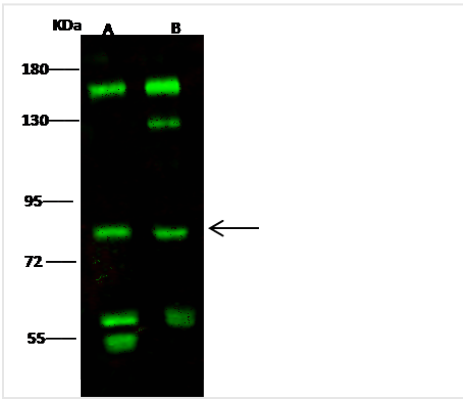
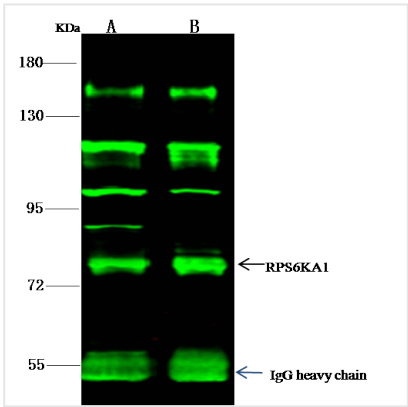
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254632	Rabbit	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

RSK1/RPS6KA1; Polyclonal Antibody; Anti-RSK1/RPS6KA1 Antibody; Rabbit Polyclonal; RPS6KA1 Antibody; Rabbit PAb; Antigen Affinity Purified; ribosomal protein S6 kinase; 90kDa; polypeptide 1; Anti-HU-1 Antibody; Anti-MAPKAPK1A Antibody; Anti-p90Rsk Antibody; Anti-RSK Antibody; Anti-RSK1 Antibody; anti-RPS6KA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human RSK1/RPS6KA1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-RPS6KA1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human RPS6KA1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human RPS6KA1, 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 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
RPS6KA1 was immunoprecipitated using: Lane A: 0.5 mg K562 Whole Cell Lysate; Lane B: 0.5 mg Jurkat Whole Cell Lysate; 1 μ L anti-RPS6KA1 rabbit polyclonal antibody and 15 μ L of 50 % Protein G agarose. Primary antibody: Anti-RPS6KA1 rabbit polyclonal antibody, at 1:500 dilution. Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 83 kDa. Observed band size: 83 kDa.

WB (Western Blot)
Anti-RPS6KA1 rabbit polyclonal antibody at 1:500 dilution. Lane A: K562 Whole Cell Lysate; Lane B: HepG2 Whole Cell Lysate. Lysates/proteins at 30 μ g per lane. Secondary: Goat Anti-Rabbit α -IgG H&L (DyLight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 83 kDa. Observed band size: 83 kDa. (We are unsure as to the identity of these extra bands.)

ADDITIONAL INFORMATION

Related Product Information for anti-RPS6KA1 antibody	RPS6KA1 (Ribosomal Protein S6 Kinase A1) is a Protein Coding gene. The RPS6KA1 gene, located on 1p36.11, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, zebrafish, C.elegans, and frog. 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 various substrates, including members of the mitogen-activated kinase (MAPK) signaling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. RPS6KA1 is widely expressed in the small intestine, duodenum, and other tissues. Diseases associated with RPS6KA1 include Coffin-Lowry Syndrome and Tuberous Sclerosis. Among its related pathways are GDNF-Family Ligands and Receptor Interactions and NGF Pathway.
Product Categories/Family for anti-RPS6KA1 antibody	NF- κ B (NFkB) Pathway
References	Salhi A, et al. (2015) Rsk1 activation promotes invasion in nodular melanoma. Am J Pathol 185 (3): 704-716. Li D, et al. (2012) Structural basis for the autoinhibition of the c-terminal kinase domain of human rsk1. Acta Crystallogr D Biol Crystallogr 68 (Pt 6): 680-685. Gogl G, et al. (2018) Dynamic control of rsk complexes by phosphoswitch-based regulation. Febs j 285 (1): 46-71.

NCBI AND UNIPROT INFORMATION

NCBI GI #	55743134
NCBI GeneID	6195
NCBI Accession #	NP_001006666.1
NCBI GenBank Nucleotide #	NM_001006665.1
UniProt Accession #	Q15418; Q5SVM5; Q5SVM8; Q5SVM9; Q96C05; Q9BQK2; A6NGG4; A8K9K7; B2RDY8; B7Z5J0
Molecular Weight	82,723 Da
NCBI Official Full Name	ribosomal protein S6 kinase alpha-1 isoform b
NCBI Official Synonym Full Names	ribosomal protein S6 kinase, 90kDa, polypeptide 1
NCBI Official Symbol	RPS6KA1
NCBI Official Synonym Symbols	RSK; HU-1; RSK1; 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 kinas
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/rsk1-rps6ka1-antibody-immunoprecipitation-western-blot-elisa/254632>