

Rabbit RSK4 Polyclonal Antibody | anti-RPS6KA6 antibody

RSK4 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285287	Rabbit	Human, Monkey	Immunohistochemistry, ELISA, Western Blot

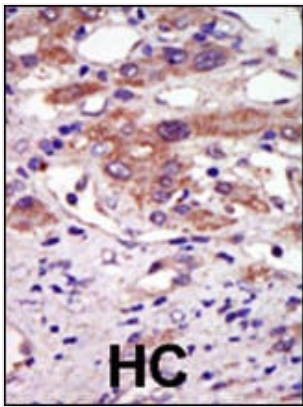
PRODUCT SYNONYMS

RSK4; Polyclonal Antibody; RSK4 Antibody (N-term); Ribosomal protein S6 kinase alpha-6; S6K-alpha-6; 90 kDa ribosomal protein S6 kinase 6; p90-RSK 6; p90RSK6; Ribosomal S6 kinase 4; RSK-4; pp90RSK4; RPS6KA6; anti-RPS6KA6 antibody

PRODUCT SPECIFICATIONS

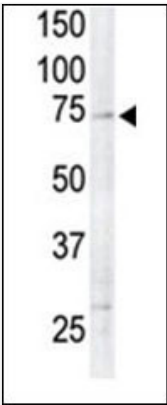
Host	Rabbit
Reactivity	Human, Monkey
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RSK4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 15-45 amino acids from the N-terminal region of human RSK4.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	15-45
Sequence Length	745
Applicable Applications for anti-RPS6KA6 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
RSK4 Antibody (N-term) is used to detect RSK4 in 7 different cell lines. Data courtesy of Dr. Yuan Sun, Hormel Institute, University of Minnesota.

IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
RSK4 Antibody (N-term) is used to detect RSK4 in primate brain tissue lysate (lane 2).

ADDITIONAL INFORMATION

Related Product Information for anti-RPS6KA6 antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The AGC kinase group consists of 63 kinases including the cyclic nucleotide-regulated protein kinase (PKA & PKG) family, the diacylglycerol-activated/phospholipid-dependent protein kinase C (PKC) family, the related to PKA and PKC (RAC/Akt) protein kinase family, the kinases that phosphorylate G protein-coupled receptors family (ARK), and the kinases that phosphorylate ribosomal protein S6 family (RSK). The calcium/calmodulin-dependent kinase (CAMK) group consists of 75 kinases regulated by Ca2+/CaM and close relative family (CAMK, CAMKL, DAPK, MAPKAPK).
Product Categories/Family for anti-RPS6KA6 antibody	Signal Transduction
References	Yntema, H.G., et al., Genomics 62(3):332-343 (1999).

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657526
NCBI GeneID	27330

NCBI Accession #	NP_055311.1
NCBI GenBank Nucleotide #	NM_014496.4
UniProt Accession #	Q9UK32; Q6FHX2; Q8WX28; Q9H4S6; B2R854; B7ZL90
Molecular Weight	83872
NCBI Official Full Name	ribosomal protein S6 kinase alpha-6
NCBI Official Synonym Full Names	ribosomal protein S6 kinase, 90kDa, polypeptide 6
NCBI Official Symbol	RPS6KA6
NCBI Official Synonym Symbols	RSK4; PP90RSK4
NCBI Protein Information	ribosomal protein S6 kinase alpha-6
UniProt Protein Name	Ribosomal protein S6 kinase alpha-6
UniProt Gene Name	RPS6KA6
UniProt Synonym Gene Names	RSK4; S6K-alpha-6; p90-RSK 6; p90RSK6; RSK-4
UniProt Entry Name	KS6A6_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/rsk4-antibody-immunohistochemistry-western-blot-elisa/285287>