

Rabbit Rsk 2/MAPKAP Kinase 1b/RPS6KA3 Polyclonal Antibody | anti-RPS6KA3 antibody

Anti-Rsk 2/MAPKAP Kinase 1b/RPS6KA3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125444	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

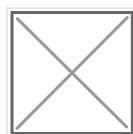
PRODUCT SYNONYMS

Rsk 2/MAPKAP Kinase 1b/RPS6KA3; Polyclonal Antibody; Anti-Rsk 2/MAPKAP Kinase 1b/RPS6KA3 Antibody; Ribosomal protein S6 kinase alpha-3; S6K-alpha-3; 90 kDa ribosomal protein S6 kinase 3; p90-RSK 3; P90rsk3; Insulin-stimulated protein kinase 1; ISPK-1; MAP kinase-activated protein kinase 1b; MAPK-activated protein kinase 1b; MAPKAP kinase 1b; MAPKAPK-1b; Ribosomal S6 kinase 2; RSK-2; pp90RSK2; RPS6KA3; ISPK1; MAPKAPK1B; RSK2; anti-RPS6KA3 antibody

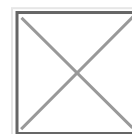
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	740
Applicable Applications for anti-RPS6KA3 antibody	ELISA (Direct ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Rsk 2/MAPKAP Kinase 1b/RPS6KA3 recombinant protein (Position: D393-K733).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)



WB (Western Blot)

Figure 1. Western blot analysis of RPS6KA3 using anti-RPS6KA3 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RPS6KA3 antibody	<p>Description: Rabbit IgG polyclonal antibody for Rsk 2/MAPKAP Kinase 1b/RPS6KA3 detection. Tested with WB, IHC-P, Direct ELISA in Human; Mouse; Rat.</p> <p>Background: Ribosomal protein S6 kinase, 90kDa, polypeptide 3, also known as RPS6KA3, is an enzyme that in humans is encoded by the RPS6KA3 gene. It is mapped to Xp22.12. This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Mutations in this gene have been associated with Coffin-Lowry syndrome (CLS).</p>
References	<p>1. Delaunoy, J.-P., Abidi, F., Zeniou, M., Jacquot, S., Merienne, K., Pannetier, S., Schmitt, M., Schwartz, C. E., Hanauer, A. Mutations in the X-linked RSK2 gene (RPS6KA3) in patients with Coffin-Lowry syndrome. Hum. Mutat. 17: 103-116, 2001.</p> <p>2. Delaunoy, J. P., Dubos, A., Marques Pereira, P., Hanauer, A. Identification of novel mutations in the RSK2 gene (RPS6KA3) in patients with Coffin-Lowry syndrome. Clin. Genet. 70: 161-166, 2006.</p> <p>3. Field, M., Tarpey, P., Boyle, J., Edkins, S., Goodship, J., Luo, Y., Moon, J., Teague, J., Stratton, M. R., Futreal, P. A., Wooster, R., Raymond, F. L., Turner, G. Mutations in the RSK2(RPS6KA3) gene cause Coffin-Lowry syndrome and nonsyndromic X-linked mental retardation. Clin. Genet. 70: 509-515, 2006.</p>

NCBI AND UNIPROT INFORMATION

NCBI GI #	4759050
NCBI GeneID	6197
NCBI Accession #	NP_004577.1
NCBI GenBank Nucleotide #	NP_004577.1
UniProt Accession #	P51812
NCBI Official Full Name	ribosomal protein S6 kinase alpha-3
NCBI Official Synonym Full Names	ribosomal protein S6 kinase A3
NCBI Official Symbol	RPS6KA3
NCBI Official Synonym Symbols	CLS; RSK; HU-3; RSK2; MRX19; ISPK-1; p90-RSK2; pp90RSK2; MAPKAPK1B; S6K-alpha3
NCBI Protein Information	ribosomal protein S6 kinase alpha-3
UniProt Protein Name	Ribosomal protein S6 kinase alpha-3
UniProt Gene Name	RPS6KA3
UniProt Synonym Gene Names	ISPK1; MAPKAPK1B; RSK2; S6K-alpha-3; p90-RSK 3; p90RSK3; ISPK-1; MAPK-activated protein kinase 1b; MAPKAP kinase 1b; MAPKAPK-1b; RSK-2
UniProt Entry Name	KS6A3_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.