RSK2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RSK2, Polyclonal Antibody
Full Product Name	RSK2, Phosphorylated (Ser369) (Ribosomal S6 Kinase 2, RSK2, RSK-2, p90-RSK2, pp90RSK2, 90kD Ribosomal Protein S6 Kinase 3, p90-RSK 3, p90RSK3, Insulin-stimulated Protein Kinase 1, ISPK1, ISPK-1, MAP Kinase-activated Protein Kinase 1b, MAPK-activated Prote
Product Gene Name	anti-RSK2 antibody
Product Synonym Names	Ribosomal Protein S6 Kinase 90kDa Polypeptide 3; CLS; EC=2.7.11.1; HU-3; MRX19; RSK
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human RPS6KA3 when phosphorylated at Ser369.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	83,736 Da
OMIM	300075
3D Structure	ModBase 3D Structure for P51812
Immunogen	Synthetic phosphopeptide corresponding to amino acid residues surrounding Ser369 of human RPS6KA3 (KLH).
Conjugate	MaxLight750
Antigen Modification	Phosphorylated
Note	Preservative Free
Product Categories/Family for anti-RSK2 antibody	Antibodies; Protein Kinases; Ribosomal
Applications Tested/Suitable for anti-RSK2 antibody	FLISA, Dot Blot (DB)
Application Notes for anti-RSK2 antibody	FLISA: 1:1,000 Dot Blot: 1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-RSK2 antibody	MBS6498284 is an antibody targeting RSK2. Also known as RSK2, Phosphorylated (Ser369) (Ribosomal S6 Kinase 2, RSK2, RSK-2, p90-RSK2, pp90RSK2, 90kD Ribosomal Protein S6 Kinase 3, p90-RSK 3, p90RSK3, Insulin-stimulated Protein Kinase 1, ISPK1, ISPK-1, MAP Kinase-activated Protein Kinase 1b, MAPK-activated Prote. Reactive in Human. Host: Rabbit.

Product References and Citations for anti-RSK2 antibody	1. Yang, X., et al., Cell 117(3):387-398 (2004). 2. Guimiot, F., et al., Gene Expr. Patterns 4(1):111-114 (2004). 3. Zeniou, M., et al., (er) Nucleic Acids Res. 32(3):1214-1223 (2004). 4. Vaidyanathan, H., et al., J. Biol. Chem. 278(34):32367-32372 (2003). 5. Zhang, Y., et al., J. Biol. Chem. 278(15):12650-12659 (2003).
Other Notes	Small volumes of anti-RSK2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RSK2. It may not necessarily be applicable to this product.

NCBI GI #	4759050
NCBI GeneID	6197
NCBI Accession #	NP_004577
UniProt Primary Accession #	P51812
UniProt Secondary Accession #	Q4VAP3; Q59H26; Q5JPK8; Q7Z3Z7; B2R9V4
UniProt Related Accession #	P51812
GenBank Nucleotide #	NM_004586.2
NCBI Official Full Name	ribosomal protein S6 kinase alpha-3
NCBI Official Synonym Full Names	ribosomal protein S6 kinase, 90kDa, polypeptide 3
NCBI Official Symbol	RPS6KA3
NCBI Official Synonym Symbols	CLS; RSK; HU-3; RSK2; MRX19; ISPK-1; p90-RSK2; pp90RSK2; MAPKAPK1B; S6K-alpha3
UniProt Protein Name	Ribosomal protein S6 kinase alpha-3
UniProt Synonym Protein Names	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
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
NCBI Protein Information	ribosomal protein S6 kinase alpha-3
NCBI Summary for RSK2	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). [provided by RefSeq, Jul 2008]
Research Articles on RSK2	**1.** RPS6KA3 in three unrelated Coffin-Lowry syndrome patients including one from the historical Coffin-Lowry syndrome family and found two novel mutations, were analyzed.
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