

Mouse anti-Human RSK3 Monoclonal Antibody | anti-RPS6KA2 antibody

RSK3, CT (Ribosomal S6 Kinase 3, RSK-3, pp90RSK3, 90kD Ribosomal Protein S6 Kinase 2, p90-RSK 2, p90RSK2, MAP Kinase-activated Protein Kinase 1c, MAPK-activated Protein Kinase 1c, MAPKAP Kinase 1c, MAPKAPK1C, MAPKAPK-1c, Ribosomal Protein S6 Kinase alpha-

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24063	Mouse	Human	ELISA, Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

RSK3; Monoclonal Antibody; CT (Ribosomal S6 Kinase 3; RSK-3; pp90RSK3; 90kD Ribosomal Protein S6 Kinase 2; p90-RSK 2; p90RSK2; MAP Kinase-activated Protein Kinase 1c; MAPK-activated Protein Kinase 1c; MAPKAP Kinase 1c; MAPKAPK1C; MAPKAPK-1c; Ribosomal Protein S6 Kinase alpha-; Anti -RSK3; anti-RPS6KA2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1F6
Specificity	Recognizes human RPS6KA2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Sequence	YALSGGNWDS ISDAAKDVVS KMLHVDPHQR LTAMQVLKHP WVVNREYLSP NQLSRQDVHL VKGAMAATYF ALNRTPQAPR LEPVLSSNLA QRRGMKRLTS TRL
Applicable Applications for anti-RPS6KA2 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Suitable for use in Immunofluorescence, ELISA, Western Blot and Immunohistochemistry. Dilution: Immunofluorescence: 10ug/ml Immunohistochemistry (Formalin fixed paraffin embedded): 3ug/ml
Immunogen	Partial recombinant corresponding to aa631-733 from human RPS6KA2 (AAH02363) with GST tag. MW of the GST tag alone is 26kD.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



Application Data

Proximity Ligation Analysis (PLA) of protein-protein interactions between MAPK3 and RPS6KA2 HeLa cells were stained with anti-MAPK3 rabbit purified polyclonal 1:1200 and anti-RPS6KA2 mouse monoclonal antibody 1:50. Signals were detected by 30 Detection Kit 613 (red), and nuclei were counterstained with DAPI (blue). Each red dot represents the detection of protein-protein interaction complex.



WB (Western Blot)

Western blot analysis of RPS6KA2 over-expressed 293 cell line, cotransfected with RPS6KA2 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with RPS6KA2 monoclonal antibody GAPDH (36.1kD) used as specificity and loading control.



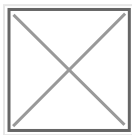
IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to RPS6KA2 on HeLa cell. [antibody concentration 10ug/ml]



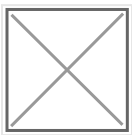
IHC (Immunohistochemistry)

Immunoperoxidase of monoclonal antibody to RPS6KA2 on formalin-fixed paraffin-embedded human cerebral cortex. [antibody concentration 3ug/ml]



WB (Western Blot)

Western Blot analysis of RPS6KA2 expression in transfected 293T cell line by RPS6KA2 monoclonal antibody.Lane 1: RPS6KA2 transfected lysate (83.2kD).Lane 2: Non-transfected lysate.



WB (Western Blot)

RPS6KA2 monoclonal antibody, Western Blot analysis of RPS6KA2 expression in Hela NE.

ADDITIONAL INFORMATION

Related Product Information for anti-RPS6KA2 antibody	RSK3, a member of the S6 kinase subfamily of Ser/Thr protein kinases, phosphorylates a wide range of substrates including ribosomal protein S6. It is implicated in the activation of the mitogen-activated kinase cascade. This nuclear protein is expressed in many tissues, with highest expression in lung and skeletal muscle.
Product Categories/Family for anti-RPS6KA2 antibody	Antibodies ; Abs to Protein Kinases ; Ribosomal

NCBI AND UNIPROT INFORMATION

NCBI GI #	55743136
NCBI GeneID	6196
NCBI Accession #	NP_001006933.1
NCBI GenBank Nucleotide #	NM_001006932.1
UniProt Accession #	Q15349 ; Q15419 ; Q59GJ3 ; Q5TI68 ; Q96J38 ; Q9UJN5 ; B3KTK9
Molecular Weight	83,239 Da
NCBI Official Full Name	ribosomal protein S6 kinase alpha-2 isoform b
NCBI Official Synonym Full Names	ribosomal protein S6 kinase, 90kDa, polypeptide 2
NCBI Official Symbol	RPS6KA2
NCBI Official Synonym Symbols	RSK; HU-2; RSK3; p90-RSK3; pp90RSK3; MAPKAPK1C; S6K-alpha; S6K-alpha2
NCBI Protein Information	ribosomal protein S6 kinase alpha-2; RSK-3; p90RSK2; p90-RSK 2; MAPKAPK-1c; S6K-alpha-2; MAPKAP kinase 1c; ribosomal S6 kinase 3; MAPK-activated protein kinase 1c; ribosomal protein S6 kinase alpha 2; 90 kDa ribosomal protein S6 kinase 2; MAP kinase-activated protein kinase 1c

UniProt Protein Name	Ribosomal protein S6 kinase alpha-2
UniProt Gene Name	RPS6KA2
UniProt Synonym Gene Names	MAPKAPK1C; RSK3; S6K-alpha-2; p90-RSK 2; p90RSK2; MAPK-activated protein kinase 1c; MAPKAP kinase 1c; MAPKAPK-1c; RSK-3
UniProt Entry Name	KS6A2_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/monoclonal/rsk3-antibody-clone-1f6-western-blot-immunohistochemistry-immunofluorescence-elisa/24063>