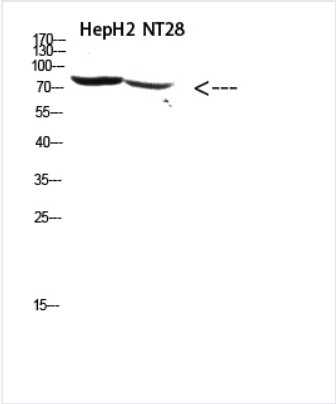
RSK3 Antibody – Rabbit Polyclonal

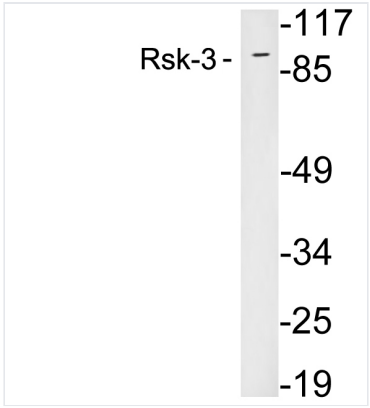
PRODUCT OVERVIEW

Product Name	RSK3, Polyclonal Antibody
Full Product Name	RSK3 Antibody
Product Gene Name	anti-RSK3 antibody
Product Synonym Names	ribosomal protein S6 kinase, 90kDa, polypeptide 2hypothetical LOC100127984; RPS6KA2 MAPKAPK1C RSK3
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	The antibody detects endogenous RSK3 protein
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	83,239 Da
Chromosome Location	Chromosome: 6; NC_000006.11 (166822854..167275771, complement). Location: 6q27
OMIM	601685
3D Structure	ModBase 3D Structure for Q15349
Immunogen	Synthetic peptide from human protein at AA range: 330-400
Modification	Unmodified/Total
Product Categories/Family for anti-RSK3 antibody	Primary Antibodies
Applications Tested/Suitable for anti-RSK3 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-RSK3 antibody	WB: 1:500-1:2000 IHC: 1:100-1:300 ELISA: 1:5000 IF: 1:50-200
Related Product Information for anti-RSK3 antibody	ribosomal protein S6 kinase A2(RPS6KA2) Homo sapiens This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains two 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. Alternative splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jan 2016]
Other Notes	Small volumes of anti-RSK3 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.

Searchable Terms for RSK3 purchase	MBS9519513 is an antibody targeting RSK3. Also known as RSK3 Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-RSK3 antibody
Western Blot analysis of hepg2, NT28 cells using Antibody diluted at 500. Secondary antibody



Testing Data of anti-RSK3 antibody
Diluted at 1:20000

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RSK3. It may not necessarily be applicable to this product.

NCBI GI #	55743136
NCBI GeneID	6196
NCBI Accession #	NP_001006933.1
UniProt Primary Accession #	Q15349
UniProt Secondary Accession #	Q15419; Q59GJ3; Q5TI68; Q96J38; Q9UJN5; B3KTK9
UniProt Related Accession #	Q15349
GenBank Nucleotide #	NM_001006932.1
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
UniProt Protein Name	Ribosomal protein S6 kinase alpha-2
UniProt Synonym Protein Names	90 kDa ribosomal protein S6 kinase 2; p90-RSK 2; p90RSK2; MAP kinase-activated protein kinase 1c; MAPK-activated protein kinase 1c; MAPKAP kinase 1c; MAPKAPK-1c; Ribosomal S6 kinase 3; RSK-3; pp90RSK3
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
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-activ
NCBI Summary for RSK3	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. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

UniProt Comments for RSK3	RSK3: an AGC kinase of the RSK family. Phosphorylated and activated by Erk1 and -2 in response to many growth factors, polypeptide hormones and neurotransmitters. Several phosphorylation sites are important for its activation. Possesses two kinase domains connected by a regulator linker region. Phosphorylates a wide range of substrates including ribosomal protein S6. Protein type: Protein kinase, Ser/Thr (non-receptor); EC 2.7.11.1; Protein kinase, AGC; Tumor suppressor; Translation; Kinase, protein; AGC group; RSK family; RSK subfamily Chromosomal Location of Human Ortholog: 6q27 Cellular Component: nucleoplasm; nuclear membrane; cytoplasm; spindle; nucleus; cytosol Molecular Function: protein serine/threonine kinase activity; protein binding; magnesium ion binding; protein serine/threonine/tyrosine kinase activity; ribosomal protein S6 kinase activity; ATP binding Biological Process: axon guidance; nerve growth factor receptor signaling pathway; positive regulation of apoptosis; heart development; MyD88-independent toll-like receptor signaling pathway; stress-activated MAPK cascade; toll-like receptor 3 signaling pathway; signal transduction; oocyte maturation; brain renin-angiotensin system; negative regulation of cell cycle; toll-like receptor 10 signaling pathway; toll-like receptor 2 signaling pathway; toll-like receptor 5 signaling pathway; MyD88-dependent toll-like receptor signaling pathway; negative regulation of cell proliferation; synaptic transmission; peptidyl-serine phosphorylation; heart contraction; negative regulation of meiosis; toll-like receptor signaling pathway; innate immune response; toll-like receptor 9 signaling pathway; toll-like receptor 4 signaling pathway
Research Articles on RSK3	**1.** p90RSK2 is dispensable for BCR-ABL-induced myeloid leukemia, but may be required for pathogenesis and lineage determination in FLT3-internal tandem duplication-induced hematopoietic transformation.
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