

Rabbit anti-Human, Mouse MSK1 Polyclonal Antibody | anti-MSK1 antibody

MSK1 (Ab-212) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301126	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

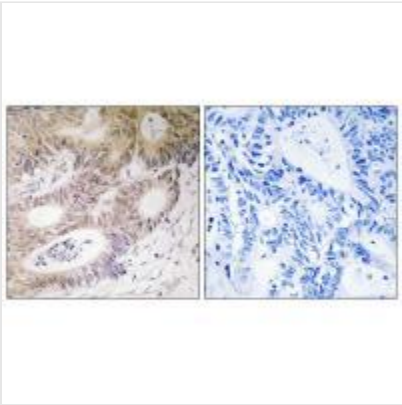
PRODUCT SYNONYMS

MSK1; Polyclonal Antibody; MSK1 (Ab-212) Antibody; EC 2.7.11.1; Nuclear mitogen-and stress-activated protein kinase 1; 90 kDa ribosomal protein S6 kinase 5; RSK-like protein kinase; RSKL; anti-MSK1 antibody

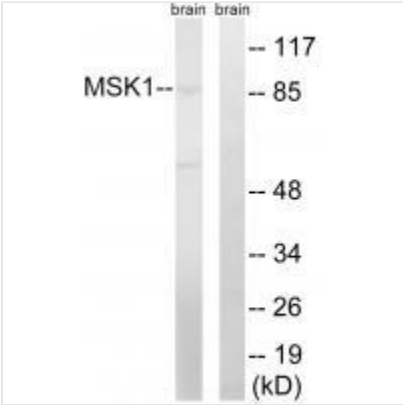
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total MSK1 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	802
Applicable Applications for anti-MSK1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from Internal of human MSK1.
Target Name	MSK1
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using MSK1 (Ab-212) antibody.



WB (Western Blot)
Western blot analysis of extracts from mouse brain cells, using MSK1 (Ab-212) antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MSK1 antibody	Serine/threonine-protein kinase that is required for the mitogen or stress-induced phosphorylation of the transcription factors CREB1 and ATF1 and for the regulation of the transcription factors RELA, STAT3 and ETV1/ER81, and that contributes to gene activation by histone phosphorylation and functions in the regulation of inflammatory genes. Phosphorylates CREB1 and ATF1 in response to mitogenic or stress stimuli such as UV-C irradiation, epidermal growth factor (EGF) and anisomycin. Plays an essential role in the control of RELA transcriptional activity in response to TNF and upon glucocorticoid, associates in the cytoplasm with the glucocorticoid receptor NR3C1 and contributes to RELA inhibition and repression of inflammatory gene expression. In skeletal myoblasts is required for phosphorylation of RELA at 'Ser-276' during oxidative stress. In erythropoietin-stimulated cells, is necessary for the 'Ser-727' phosphorylation of STAT3 and regulation of its transcriptional potential. Phosphorylates ETV1/ER81 at 'Ser-191' and 'Ser-216', and thereby regulates its ability to stimulate transcription, which may be important during development and breast tumor formation. Directly represses transcription via phosphorylation of 'Ser-1' of histone H2A. Phosphorylates 'Ser-10' of histone H3 in response to mitogenics, stress stimuli and EGF, which results in the transcriptional activation of several immediate early genes, including proto-oncogenes c-fos/FOS and c-jun/JUN. May also phosphorylate 'Ser-28' of histone H3. Mediates the mitogen- and stress-induced phosphorylation of high mobility group protein 1 (HMGN1/HMG14). In lipopolysaccharide-stimulated primary macrophages, acts downstream of the Toll-like receptor TLR4 to limit the production of pro-inflammatory cytokines. Functions probably by inducing transcription of the MAP kinase phosphatase DUSP1 and the anti-inflammatory cytokine interleukin 10 (IL10), via CREB1 and ATF1 transcription factors. Plays a role in neuronal cell death by mediating the downstream effects of excitotoxic injury.Deak M., EMBO J. 17:4426-4441(1998).New L., J. Biol. Chem. 274:1026-1032(1999).Jiang C., Cytogenet. Cell Genet. 87:261-262(1999).
Product Categories/Family for anti-MSK1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	32528295
NCBI GeneID	9252
NCBI Accession #	NP_004746.2
NCBI GenBank Nucleotide #	NM_004755.2
UniProt Accession #	O75582; O95316; Q96AF7; B7Z2Y5
Molecular Weight	81,780 Da
NCBI Official Full Name	ribosomal protein S6 kinase alpha-5 isoform a
NCBI Official Synonym Full Names	ribosomal protein S6 kinase, 90kDa, polypeptide 5

NCBI Official Symbol	RPS6KA5
NCBI Official Synonym Symbols	MSK1; RLPK; MSPK1
NCBI Protein Information	ribosomal protein S6 kinase alpha-5
UniProt Protein Name	Ribosomal protein S6 kinase alpha-5
UniProt Gene Name	RPS6KA5
UniProt Synonym Gene Names	MSK1; S6K-alpha-5; RSKL
UniProt Entry Name	KS6A5_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://www.aaabiotech.com/polyclonal/msk1-antibody-immunohistochemistry-western-blot-elisa/301126>