

Rabbit anti-Human, Mouse MSK2 Polyclonal Antibody | anti-MSK2 antibody

MSK2 (Phospho-Thr568) Antibody

CATALOG # AAA307406	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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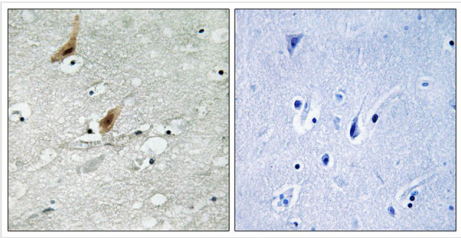
PRODUCT SYNONYMS

MSK2; Polyclonal Antibody; MSK2 (Phospho-Thr568) Antibody; EC 2.7.11.1; kinase MSK2; KS6A4; Ribosomal protein kinase B; RPS6KA4; RSK-B; Similar to ribosomal protein S6 kinase; 90kD; polypeptide 4; anti-MSK2 antibody

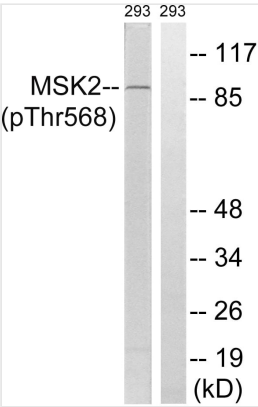
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of MSK2 only when phosphorylated at threonine 568.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using
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	766
Applicable Applications for anti-MSK2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	peptide
Immunogen Description	Peptide sequence around phosphorylation site of threonine 568 (M-Q-T(p)-P-C) derived from Human MSK2.
Modification	Phospho-Thr568
Target Name	MSK2
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded human brain tissue using MSK2 (Phospho-Thr568) antibody. The picture on the right is treated with the synthesized peptide.



WB (Western Blot)
Western blot analysis of extracts from 293 cells, treated with H2O2 (100uM, 15mins), using MSK2 (Phospho-Thr568) antibody. The lane on the right is treated with the synthesized peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MSK2 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 factor RELA, 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. 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.
Product Categories/Family for anti-MSK2 antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	55743138
NCBI GeneID	8986
NCBI Accession #	NP_001006945.1
NCBI GenBank Nucleotide #	NM_001006944.1
UniProt Accession #	O75676; O75585; Q53ES8; A8K7Z8
Molecular Weight	84,884 Da
NCBI Official Full Name	ribosomal protein S6 kinase alpha-4 isoform b
NCBI Official Synonym Full Names	ribosomal protein S6 kinase, 90kDa, polypeptide 4
NCBI Official Symbol	RPS6KA4
NCBI Official Synonym Symbols	MSK2; RSK-B
NCBI Protein Information	ribosomal protein S6 kinase alpha-4
UniProt Protein Name	Ribosomal protein S6 kinase alpha-4
UniProt Gene Name	RPS6KA4

UniProt Synonym Gene Names	MSK2; S6K-alpha-4; RSKB
UniProt Entry Name	KS6A4_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/msk2-antibody-immunohistochemistry-western-blot-elisa/307406>