

Rabbit anti-Human, Mouse Mnk1 Polyclonal Antibody | anti-Mnk1 antibody

Mnk1 (Ab-385) Antibody

CATALOG # AAA302848	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Western Blot
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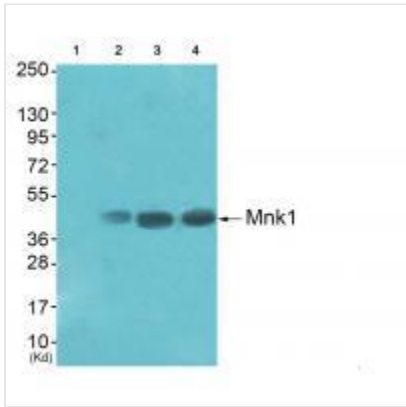
PRODUCT SYNONYMS

Mnk1; Polyclonal Antibody; Mnk1 (Ab-385) Antibody; EC 2.7.11.1; kinase Mnk1; Map kinase interacting kinase; MAP kinase signal-integrating kinase 1; MAP kinase-interacting serine/threonine kinase 1; anti-Mnk1 antibody

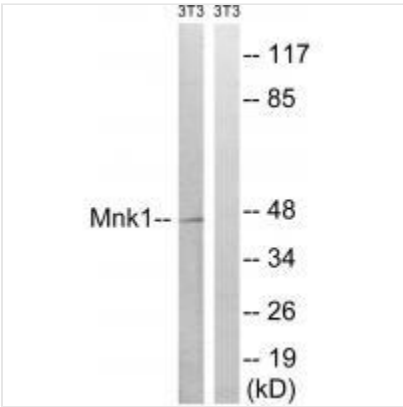
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total Mnk1 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	424
Applicable Applications for anti-Mnk1 antibody	WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized non-phosphopeptide derived from human Mnk1 around the phosphorylation site of threonine 385 (L-P-T(p)-P-Q).
Target Name	Mnk1
Preparation and Storage	Store at -20 degree C

IMAGES



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells (Lane 2), K562 cells (Lane 3) and Jurket cells (Lane 4), using Mnk1 (Ab-385) antibody. The lane on the left is treated with synthesized peptide.



WB (Western Blot)
Western blot analysis of extracts from 3T3 cells, treated with PMA (125ng/ml, 30mins), using Mnk1 (Ab-385) antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-Mnk1 antibody	May play a role in the response to environmental stress and cytokines. Appears to regulate translation by phosphorylating EIF4E, thus increasing the affinity of this protein for the 7-methylguanosine-containing mRNA cap.Fukunaga R., EMBO J. 16:1921-1933(1997).Knauf U., Mol. Cell. Biol. 21:5500-5511(2001).O'Loughlen A., Exp. Cell Res. 299:343-355(2004).
Product Categories/Family for anti-Mnk1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	207113186
NCBI GeneID	8569
NCBI Accession #	NP_001129025.1
NCBI GenBank Nucleotide #	NM_001135553.2
UniProt Accession #	Q9BUB5; O00312; Q5TC06; Q5TC07; Q6V0N6; D3DQ20; D3DQ21
Molecular Weight	39,104 Da
NCBI Official Full Name	MAP kinase-interacting serine/threonine-protein kinase 1 isoform 3
NCBI Official Synonym Full Names	MAP kinase interacting serine/threonine kinase 1
NCBI Official Symbol	MKNK1
NCBI Official Synonym Symbols	MNK1
NCBI Protein Information	MAP kinase-interacting serine/threonine-protein kinase 1
UniProt Protein Name	MAP kinase-interacting serine/threonine-protein kinase 1
UniProt Gene Name	MKNK1
UniProt Synonym Gene Names	MNK1; MAPK signal-integrating kinase 1; Mnk1
UniProt Entry Name	MKNK1_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.

