

Mouse anti-Human, Mouse MAPK10 Antibody | anti-MAPK10 antibody

MAPK10 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108728	Mouse	Human, Mouse	ELISA, Immunofluorescence, Western Blot

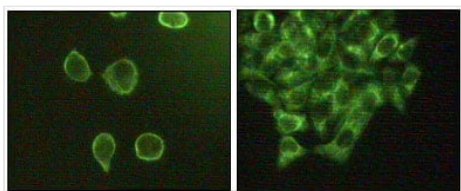
PRODUCT SYNONYMS

MAPK10; MAPK10 Antibody; JNK3; JNK3A; PRKM10; p54bSAPK; anti-MAPK10 antibody

PRODUCT SPECIFICATIONS

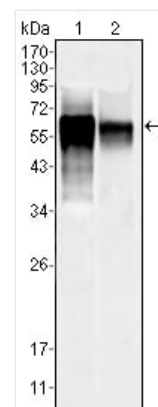
Host	Mouse
Reactivity	Human, Mouse
Isotype	IgG1
Clone Number	10E4A4
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	422
Applicable Applications for anti-MAPK10 antibody	ELISA, IF (Immunofluorescence), WB (Western Blot)
Immunogen	Purified recombinant fragment of human MAPK10 (aa28-233) expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C

IMAGES



Application Data

Figure 2. Immunofluorescence staining of methanol-fixed A431 (left) and HeLa (right) cells showing cytoplasmic and membrane localization.



Application Data

Figure 1. Western blot analysis using MAPK10 mouse mAb against NIH/3T3 (1) and SKN-SH (2) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK10 antibody	MAPK10, mitogen-activated protein kinase 10, also known as JNK3, JNK3A, PRKM10, p54bSAPK. Entrez Protein NP_002744. It is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This protein is a neuronal-specific form of c-Jun N-terminal kinases (JNKs). Through its phosphorylation and nuclear localization, this kinase plays regulatory roles in the signaling pathways during neuronal apoptosis. Beta-arrestin 2, a receptor-regulated MAP kinase scaffold protein, is found to interact with, and stimulate the phosphorylation of this kinase by MAP kinase kinase 4 (MKK4). Cyclin-dependent kinase 5 can phosphorylate, and inhibit the activity of this kinase, which may be important in preventing neuronal apoptosis. Four alternatively spliced transcript variants encoding distinct isoforms have been reported.
Product Categories/Family for anti-MAPK10 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506081
NCBI GeneID	5602
NCBI Accession #	NP_002744.1
NCBI GenBank Nucleotide #	NM_002753.4
UniProt Accession #	P53779; Q15707; Q49AP1; A6NFS3; A6NG28; B3KQ94
Molecular Weight	53kDa
NCBI Official Full Name	mitogen-activated protein kinase 10 isoform 2
NCBI Official Synonym Full Names	mitogen-activated protein kinase 10
NCBI Official Symbol	MAPK10
NCBI Official Synonym Symbols	JNK3; JNK3A; PRKM10; SAPK1b; p493F12; p54bSAPK
NCBI Protein Information	mitogen-activated protein kinase 10
UniProt Protein Name	Mitogen-activated protein kinase 10
UniProt Gene Name	MAPK10
UniProt Synonym Gene Names	JNK3; JNK3A; PRKM10; SAPK1B; MAP kinase 10; MAPK 10; SAPK1b

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.