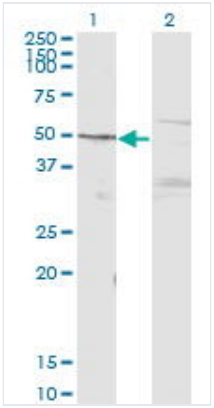
MAPK8 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	MAPK8, Monoclonal Antibody
Full Product Name	MAPK8 (Mitogen-Activated Protein Kinase 8, JNK, JNK1, JNK1A2, JNK21B1/2, PRKM8, SAPK1) (HRP)
Product Gene Name	anti-MAPK8 antibody
Product Synonym Names	Mitogen-Activated Protein Kinase 8; JNK; JNK1; JNK1A2; JNK21B1/2; PRKM8; SAPK1
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3B12
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Purity/Purification	Purified
Specificity	Recognizes MAPK8.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
Molecular Weight	35,333 Da
Immunogen	MAPK8 (NP_002741.1, 1aa-384aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MSRSKRDNNFYSVEIGDSTFTVLKRYQNLKPIGSGAQGIVCAAYDAILERNVAIKKLSRPFQNQTHAKRAYRELVLMKCVNHKNIIGLLNVFTPQKSLEEFQ
Conjugate	HRP
Product Categories/Family for anti-MAPK8 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-MAPK8 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-MAPK8 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-MAPK8 antibody	MBS6181949 is an antibody targeting MAPK8. Also known as MAPK8 (Mitogen-Activated Protein Kinase 8, JNK, JNK1, JNK1A2, JNK21B1/2, PRKM8
Other Notes	Small volumes of anti-MAPK8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces



Western Blot (WB) of anti-MAPK8 antibody
Western Blot analysis of MAPK8 expression in transfected 293T cell line by MAPK8 monoclonal antibody (M12), clone 3B12.Lane 1: MAPK8 transfected lysate (48.3 KDa).Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MAPK8. It may not necessarily be applicable to this product.

NCBI GI #	513788275
NCBI GeneID	5599
NCBI Accession #	NP_002741.1
UniProt Secondary Accession #	Q15709; Q15712; Q15713; Q308M2; B5BTZ5; B7ZLV4; D3DX88; D3DX92
UniProt Related Accession #	P45983
GenBank Nucleotide #	NM_002750
NCBI Official Full Name	Homo sapiens mitogen-activated protein kinase 8 (MAPK8), transcript variant JNK1-a1, mRNA
NCBI Official Synonym Full Names	mitogen-activated protein kinase 8
NCBI Official Symbol	MAPK8
NCBI Official Synonym Symbols	JNK; JNK1; PRKM8; SAPK1; JNK-46; JNK1A2; SAPK1c; JNK21B1/2
Protein Family	JNK1/MAPK8-associated membrane protein
NCBI Protein Information	mitogen-activated protein kinase 8; JUN N-terminal kinase; MAP kinase 8; c-Jun N-terminal kinase 1; mitogen-activated protein kinase 8 isoform JNK1 alpha1; mitogen-activated protein kinase 8 isoform JNK1 beta2; stress-activated protein kinase 1; stress-ac
NCBI Summary for MAPK8	The protein encoded by this gene 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 kinase is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrom c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. Five alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jun 2013]
Research Articles on MAPK8	**1.** During free radical stress, hUCBC paracrine factors activate myocyte Akt, which increases myocyte viability by decreasing activation of death-promoting protein kinases JNK and p38.
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