

Mouse anti-Human MAPK8 Monoclonal Antibody | anti-MAPK8 antibody

MAPK8 (JNK1, PRKM8, SAPK1, SAPK1C, Mitogen-activated Protein Kinase 8, MAP Kinase 8, MAPK 8, JNK-46, Stress-activated Protein Kinase 1c, Stress-activated Protein Kinase JNK1, c-Jun N-terminal Kinase 1) (AP)

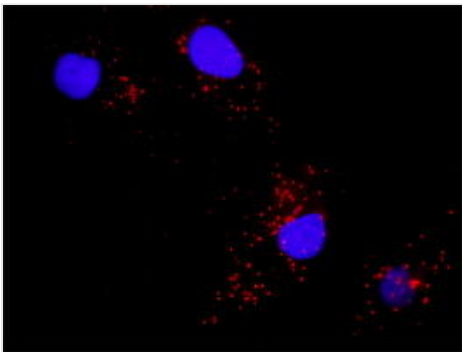
CATALOG # AAA24265	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

MAPK8; Monoclonal Antibody; MAPK8 (JNK1; PRKM8; SAPK1; SAPK1C; Mitogen-activated Protein Kinase 8; MAP Kinase 8; MAPK 8; JNK-46; Stress-activated Protein Kinase 1c; Stress-activated Protein Kinase JNK1; c-Jun N-terminal Kinase 1) (AP); anti-MAPK8 antibody

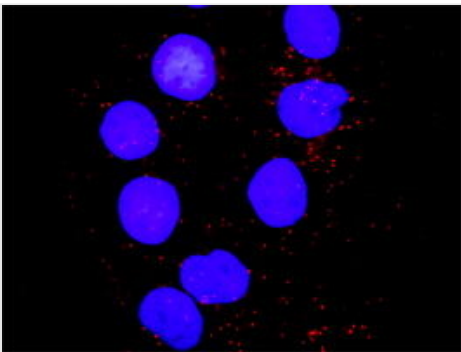
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2F11
Specificity	Recognizes human MAPK8.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Applicable Applications for anti-MAPK8 antibody	ELISA, WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Full length recombinant corresponding to human MAPK8, aa1-384 (NP_002741) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MSRSKRDNFYSVEIGDSTFTVLKRYQNLKPIGSGAQGIVCAAYDAILERNVAIKKLSRPFQNQTHAKRAYRELVLKCVNHKNIIGLLNVFTPKSLEEFQ
Conjugate	AP
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to use.



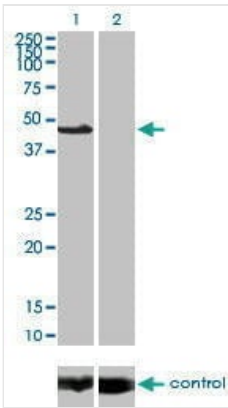
Application Data

Proximity Ligation Analysis (PLA) of protein-protein interactions between BAD and MAPK8 Mahlavu cells were stained with BAD rabbit purified polyclonal 1:1200 and anti-MAPK8 mouse monoclonal antibody 1:50. Signals were detected 30 Detection Kit 613 (red), and nuclei were counterstained with DAPI (blue). Each red dot represents the detection of protein-protein interaction complex.



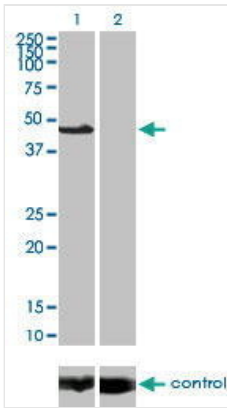
Application Data

Proximity Ligation Analysis (PLA) of protein-protein interactions between PXN and MAPK8 Huh7 cells were stained with PXN rabbit purified polyclonal 1:1200 and MAPK8 mouse monoclonal antibody 1:50. Signals were detected 30 Detection Kit 613 (red), and nuclei were counterstained with DAPI (blue). Each red dot represents the detection of protein-protein interaction complex.



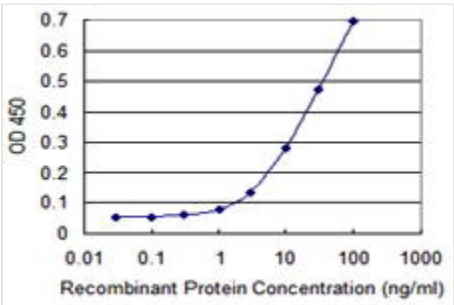
Application Data

Proximity Ligation Analysis (PLA) of protein-protein interactions between CRK and MAPK8 HeLa cells were stained with CRK rabbit purified polyclonal 1:1200 and MAPK8 mouse monoclonal antibody 1:50. Signals were detected 30 Detection Kit 613 (red), and nuclei were counterstained with DAPI (blue). Each red dot represents the detection of protein-protein interaction complex.



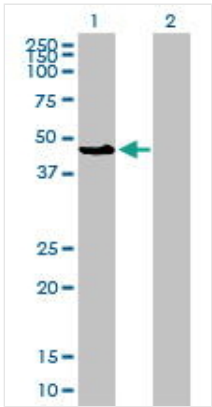
WB (Western Blot)

Western blot analysis of MAPK8 over-expressed 293 cell line, cotransfected with MAPK8 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with MAPK8 monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.



Application Data

Detection limit for recombinant GST tagged MAPK8 is 1ng/ml as a capture antibody.



WB (Western Blot)

Western Blot analysis of MAPK8 expression in transfected 293T cell line by MAPK8 monoclonal antibody. Lane 1: MAPK8 transfected lysate (48.3kD). Lane 2: Non-transfected lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK8 antibody	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. Four alternatively spliced transcript variants encoding distinct isoforms have been reported.
Product Categories/Family for anti-MAPK8 antibody	Antibodies; Protein Kinases

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506095
NCBI GeneID	5599
NCBI Accession #	NP_002741
NCBI GenBank Nucleotide #	NM_002750
UniProt Accession #	P45983; Q15709; Q15712; Q15713; Q308M2; B5BTZ5; B7ZLV4; D3DX88; D3DX92
Molecular Weight	35,333 Da
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
NCBI Protein Information	mitogen-activated protein kinase 8
UniProt Protein Name	Mitogen-activated protein kinase 8
UniProt Gene Name	MAPK8
UniProt Synonym Gene Names	JNK1; PRKM8; SAPK1; SAPK1C; MAP kinase 8; MAPK 8; SAPK1c
UniProt Entry Name	MK08_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/monoclonal/mapk8-antibody-clone-2f11-western-blot-elisa/24265>