

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) (PE)

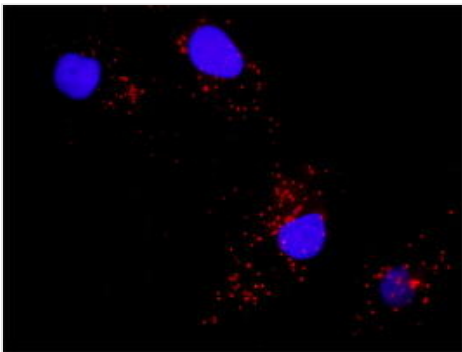
CATALOG # AAA25743	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

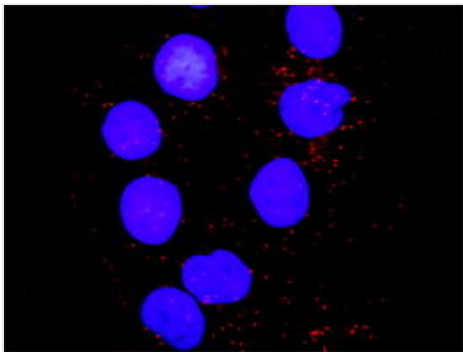
MAPK8; Monoclonal Antibody; MAPK8 (JNK1; PRKM8; SAPK1; SAPK1C; Mitogen-activated Protein Kinase 8; MAP Kinase 8; MAPK 8; JNK-46; Stress-activated Protein Kinase 1c; Stress-activated Protein Kinase JNK1; c-Jun N-terminal Kinase 1) (PE); anti-MAPK8 antibody

PRODUCT SPECIFICATIONS

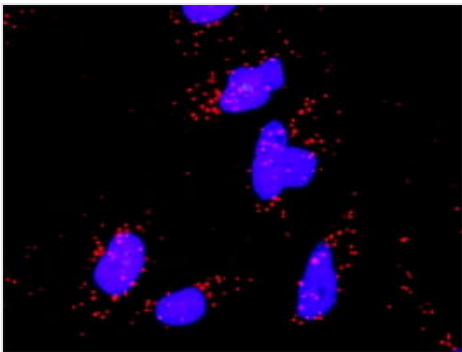
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2F11
Specificity	Recognizes human MAPK8.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Applicable 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	MSRSKRDNFYSVEIGDSTFTVLKRYQNLKPIGSGAQGIVCAAYDAILERNVAIKKLSRPFQNQTHAKRAYRELVLKCVNHKNIIGLLNVFTPQKSLEEFQ
Conjugate	PE
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo



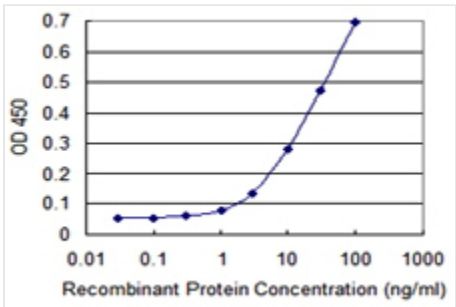
Application Data
Proximity Ligation Analysis (PLA) of protein-protein interactions between BAD and MAPK8
Mahlavu cells were stained with BAD rabbit purified polyclonal 1:1200 and anti-MAPK8 mouse monoclonal antibody 1:50. Signals were detected 30 Detection Kit 613 (red), and nuclei were counterstained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



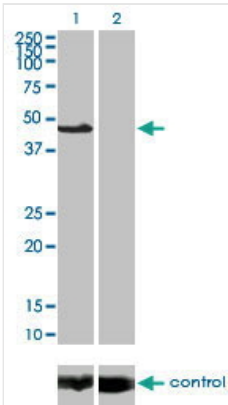
Application Data
Proximity Ligation Analysis (PLA) of protein-protein interactions between PXN and MAPK8
Huh7 cells were stained with PXN rabbit purified polyclonal 1:1200 and MAPK8 mouse monoclonal antibody 1:50. Signals were detected 30 Detection Kit 613 (red), and nuclei were counterstained with DAPI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



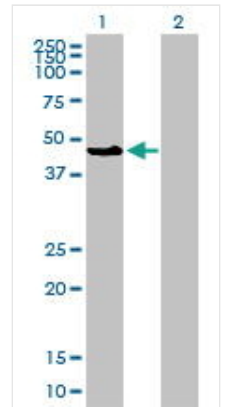
Application Data
Proximity Ligation Analysis (PLA) of protein-protein interactions between CRK and MAPK8
HeLa cells were stained with CRK rabbit purified polyclonal 1:1200 and MAPK8 mouse monoclonal antibody 1:50. Signals were detected 30 Detection Kit 613 (red), and nuclei were counterstained with DAPI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



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



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.



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://stage.aaabiotech.com/monoclonal/mapk8-antibody-clone-2f11-western-blot-elisa/25743>