

Rabbit anti-Human, Mouse MAPK8 Polyclonal Antibody | anti-MAPK8 antibody

MAPK8 Polyclonal Antibody

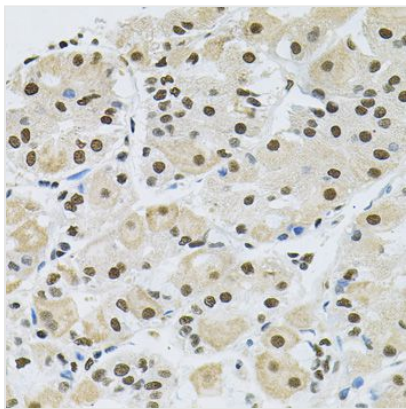
CATALOG # AAA10635	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Western Blot, Immunofluorescence
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PRODUCT SYNONYMS

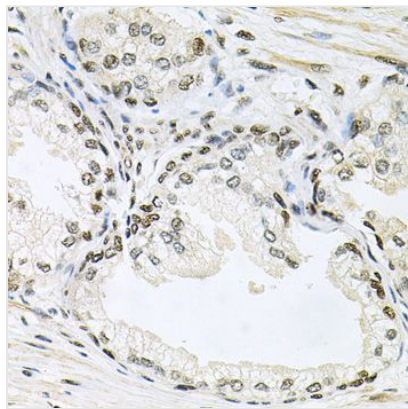
MAPK8; Polyclonal Antibody; MAPK8 Polyclonal Antibody; JNK1: MAPK8; JNK; JNK1; JNK1A2; JNK21B1/2; PRKM8; SAPK1; anti-MAPK8 antibody

PRODUCT SPECIFICATIONS

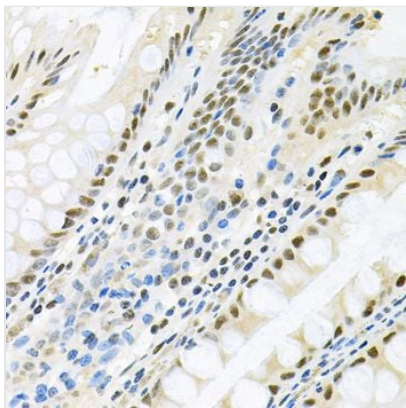
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	427
Applicable Applications for anti-MAPK8 antibody	WB (Western Blot), IF (Immunofluorescence)
Application Notes	WB: 1:500 - 1:2000
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human MAPK8
Calculated Molecular Weight	48kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.



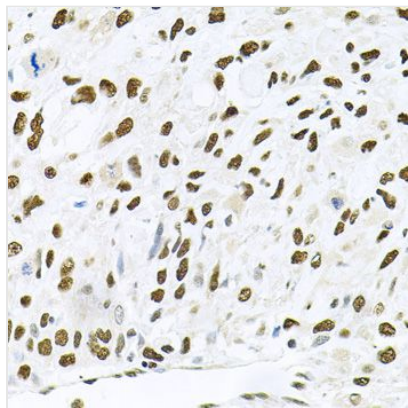
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human stomach using MAPK8 antibody at dilution of 1:100 (40x lens).



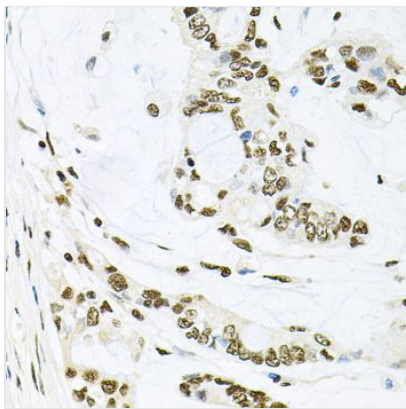
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human prostate using MAPK8 antibody at dilution of 1:100 (40x lens).



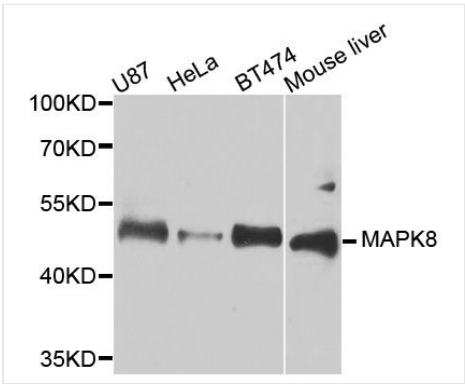
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human colon using MAPK8 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human lung cancer using MAPK8 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human gastric cancer using MAPK8 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using MAPK8 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK8 antibody	The stress-activated protein kinase/Jun-amino-terminal kinase SAPK/JNK is potently and preferentially activated by a variety of environmental stresses including UV and gamma radiation, ceramides, inflammatory cytokines, and in some instances, by growth factors and GPCR agonists (1-6). As with the other MAPKs, the core signaling unit is composed of a MAPKKK, typically MEKK1-MEKK4, or by one of the mixed lineage kinases (MLKs), which phosphorylate and activate MKK4/7. Upon activation, MKKs phosphorylate and activate the SAPK/JNK kinase (2). Stress signals are delivered to this cascade by small GTPases of the Rho family (Rac, Rho, cdc42) (3). Both Rac1 and cdc42 mediate the stimulation of MEKKs and MLKs (3). Alternatively, MKK4/7 can be activated in a GTPase-independent mechanism via stimulation of a germinal center kinase (GCK) family member (4). There are three SAPK/JNK genes each of which undergoes alternative splicing resulting in numerous isoforms (3). SAPK/JNK, when active as a dimer, can translocate to the nucleus and regulate transcription through its effects on c-Jun, ATF-2, and other transcription factors (3,5).
Product Categories/Family for anti-MAPK8 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	2507195
NCBI GeneID	5599
UniProt Accession #	P45983; Q15709; Q15712; Q15713; Q308M2; B5BTZ5; B7ZLV4; D3DX88; D3DX92
Molecular Weight	427
NCBI Official Full Name	Mitogen-activated protein kinase 8
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; MAP kinase 8; JUN N-terminal kinase; c-Jun N-terminal kinase 1; stress-activated protein kinase 1; stress-activated protein kinase 1c; mitogen-activated protein kinase 8 isoform JNK1 beta2; mitogen-activated protein kinase 8 isoform JNK1 alpha1
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.