

Rabbit anti-Human Mitogen-activated protein kinase 13 Polyclonal Antibody | anti-MAPK13 antibody

Rabbit anti-human Mitogen-activated protein kinase 13 polyclonal Antibody(MAPK13)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA119540	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA

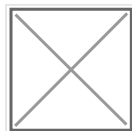
PRODUCT SYNONYMS

Mitogen-activated protein kinase 13; Polyclonal Antibody; Rabbit anti-human Mitogen-activated protein kinase 13 polyclonal Antibody(MAPK13); MAP kinase 13; MAPK 13; Mitogen-activated protein kinase p38 delta; MAP kinase p38 delta; Stress-activated protein kinase 4; MAPK13; PRKM13; SAPK4; anti-MAPK13 antibody

PRODUCT SPECIFICATIONS

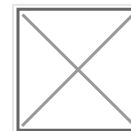
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	365
Applicable Applications for anti-MAPK13 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Mitogen-activated protein kinase 13 protein (1-365aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-7587 / sc-7585 / sc-20706
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



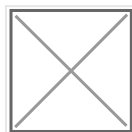
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney using AAA119540 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human prostate using AAA119540 at dilution 1:100



WB (Western Blot)

All lanes: Mitogen-activated protein kinase 13 antibody at 3ug/ml Lane 1:HepG2 whole cell lysate Lane 2:Hela whole cell lysate Lane 3:MCF-7 whole cell lysate Secondary Goat polyclonal to rabbit at 1/10000 dilution Predicted band size: 43,29 kDa Observed band size: 42 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK13 antibody	Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. MAPK13 is one of the four p38 MAPKs which play an important role in the cascades of cellular responses evoked by extracellular stimuli such as proinflammatory cytokines or physical stress leading to direct activation of transcription factors such as ELK1 and ATF2. Accordingly, p38 MAPKs phosphorylate a broad range of proteins and it has been estimated that they may have approximately 200 to 300 substrates each. MAPK13 is one of the less studied p38 MAPK isoforms. Some of the targets are downstream kinases such as MAPKAPK2, which are activated through phosphorylation and further phosphorylate additional targets. Plays a role in the regulation of protein translation by phosphorylating and inactivating EEF2K. Involved in cytoskeletal remodeling through phosphorylation of MAPT and STMN1. Mediates UV irradiation induced up-regulation of the gene expression of CXCL14. Plays an important role in the regulation of epidermal keratinocyte differentiation, apoptosis and skin tumor development. Phosphorylates the transcriptional activator MYB in response to stress which leads to rapid MYB degradation via a proteasome-dependent pathway. MAPK13 also phosphorylates and down-regulates PRKD1 during regulation of insulin secretion in pancreatic beta cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506085
NCBI GeneID	5603
NCBI Accession #	NP_002745.1
NCBI GenBank Nucleotide #	NM_002754.4
UniProt Accession #	O15264; O14739; O15124; Q5U4A5; Q6FI46; Q9UNU0
Molecular Weight	28,779 Da
NCBI Official Full Name	mitogen-activated protein kinase 13
NCBI Official Synonym Full Names	mitogen-activated protein kinase 13
NCBI Official Symbol	MAPK13
NCBI Official Synonym Symbols	SAPK4; PRKM13; MAPK 13; MAPK-13; p38delta
NCBI Protein Information	mitogen-activated protein kinase 13
UniProt Protein Name	Mitogen-activated protein kinase 13
UniProt Gene Name	MAPK13
UniProt Synonym Gene Names	PRKM13; SAPK4; MAP kinase 13; MAPK 13; MAP kinase p38 delta
UniProt Entry Name	MK13_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.