

Rabbit MAPK14 Polyclonal Antibody | anti-MAPK14 antibody

MAPK14 antibody (Thr180/Tyr182)

CATALOG # AAA107748	HOST Rabbit	APPLICATIONS Immunohistochemistry, Western Blot
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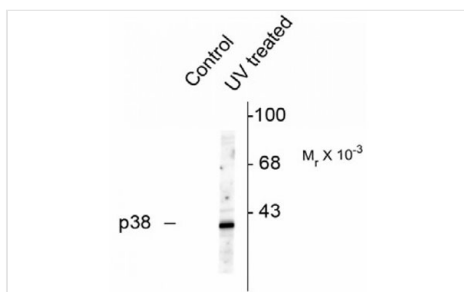
PRODUCT SYNONYMS

MAPK14; Polyclonal Antibody; MAPK14 antibody (Thr180/Tyr182); Polyclonal MAPK14; Anti-MAPK14; MAPK 14; MAPK-14; CSAID Binding Protein 1; CSAID binding protein; CSAID-binding protein; Csaiids binding protein; CSBP 1; CSBP 2; CSBP; CSBP1; CSBP2; CSPB 1; CSPB1; Cytokine suppressive anti inflammatory drug binding protein; Cytokine suppressive anti-inflammatory drug-binding protein; EXIP; MAP kinase 14; MAP kinase MXI2; MAP kinase p38 alpha; MAX interacting protein 2; MAX-interacting protein 2; Mitogen Activated Protein Kinase 14; Mitogen activated protein kinase p38 alpha; Mitogen-activated protein kinase 14; Mitogen-activated protein kinase p38 alpha; Mxi 2; Mxi2; p38 ALPHA; p38 MAP kinase; p38 MAPK; p38 mitogen activated protein kinase; p38ALPHA; p38alpha Exip; PRKM14; PRKM15; RK; SAPK 2A; SAPK2A; Stress Activated Protein Kinase 2A; anti-MAPK14 antibody

PRODUCT SPECIFICATIONS

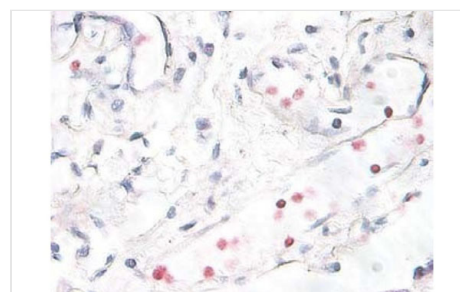
Host	Rabbit
Clonality	Polyclonal
Purity/Purification	MAPK14 antibody was purified by affinity chromatography
Form/Format	Supplied in liquid form in 10 mM HEPES buffer (pH 7.5), 150 mM NaCl, 100 ug per ml BSA and 50% glycerol
Sequence Length	360
Applicable Applications for anti-MAPK14 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Biological Significance	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 environmental stresses and proinflammatory cytokines. The activation requires its phosphorylation by MAP kinase kinases (MKKs), or its autophosphorylation triggered by the interaction of MAP3K7IP1/TAB1 protein with this kinase. The substrates of this kinase include transcription regulator ATF2, MEF2C, and MAX, cell cycle regulator CDC25B, and tumor suppressor p53, which suggest the roles of this kinase in stress related transcription and cell cycle regulation, as well as in genotoxic stress response.

IMAGES



WB (Western Blot)

Western blot of HeLa celllysates that had been treated with UV or untreated (Control) showing specific immunolabeling of ~39k p38 MAPK protein phosphorylated at Thr180/Tyr182



IHC (Immunohistochemistry)

Immunohistochemical staining of human breast cancer tissue showing p38 when phosphorylated at Thr180/Tyr182 in red.

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK14 antibody	Rabbit polyclonal MAPK14 antibody (Thr180/Tyr182)
Product Categories/Family for anti-MAPK14 antibody	Proteases; Inhibitors; & Enzymes; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	49168496
NCBI GeneID	1432
UniProt Accession #	Q16539; O60776; Q13083; Q14084; Q8TDX0; A6ZJ92; A8K6P4; B0LPH0; B5TY32
Molecular Weight	29,388 Da
NCBI Official Full Name	MAPK14
NCBI Official Synonym Full Names	mitogen-activated protein kinase 14
NCBI Official Symbol	MAPK14
NCBI Official Synonym Symbols	RK; p38; CSBP; EXIP; Mxi2; CSBP1; CSBP2; CSPB1; PRKM14; PRKM15; SAPK2A; p38ALPHA
NCBI Protein Information	mitogen-activated protein kinase 14
UniProt Protein Name	Mitogen-activated protein kinase 14
UniProt Gene Name	MAPK14
UniProt Synonym Gene Names	CSBP; CSBP1; CSBP2; CSPB1; MXI2; SAPK2A; MAP kinase 14; MAPK 14; CSAID-binding protein; CSBP; MAP kinase p38 alpha; SAPK2a
UniProt Entry Name	MK14_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/polyclonal/mapk14-antibody-immunohistochemistry-western-blot-elisa/107748>