

Rabbit anti-Human, mouse MAPK14 Polyclonal Antibody | anti-MAPK14 antibody

MAPK14 Antibody (Y323)

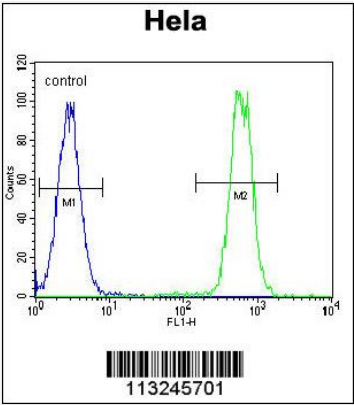
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288465	Rabbit	Human, mouse	Western Blot, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

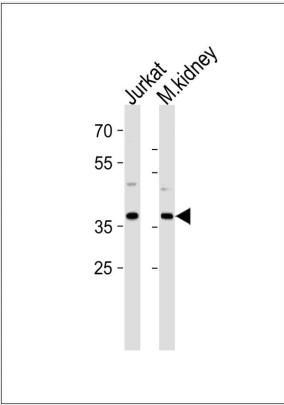
MAPK14; Polyclonal Antibody; MAPK14 Antibody (Y323); Mitogen-activated protein kinase 14; MAP kinase 14; MAPK 14; Cytokine suppressive anti-inflammatory drug-binding protein; CSAID-binding protein; CSBP; MAP kinase MXI2; MAX-interacting protein 2; Mitogen-activated protein kinase p38 alpha; MAP kinase p38 alpha; Stress-activated protein kinase 2a; SAPK2a; CSBP1; CSBP2; CSPB1; MXI2; SAPK2A; anti-MAPK14 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MAPK14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 301-330 amino acids from human MAPK14.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.34 (varies by lot)
Sequence Positions	301-330
Sequence Length	256
Applicable Applications for anti-MAPK14 antibody	WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
MAPK14 Antibody (Y323) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
MAPK14 Antibody (Y322) western blot analysis in Jurkat cell line and mouse kidney tissue lysates (35ug/lane).This demonstrates the MAPK14 antibody detected the MAPK14 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK14 antibody	MAPK14 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.
Product Categories/Family for anti-MAPK14 antibody	Signal Transduction; Neuroscience; Immunology; Cell Biology; Cancer; Crown Antibodies; Stem Cells
References	Cheung, P.C., et al., EMBO J. 22(21):5793-5805 (2003). Dean, J.L., et al., J. Biol. Chem. 278(41):39470-39476 (2003). Sun, A., et al., Exp. Neurol. 183(2):394-405 (2003). Yustein, J.T., et al., Oncogene 22(40):6129-6141 (2003). Frevel, M.A., et al., Mol. Cell. Biol. 23(2):425-436 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503069
NCBI GeneID	1432
NCBI Accession #	NP_001306.1; NP_620581.1; NP_620582.1; NP_620583.1
NCBI GenBank Nucleotide #	NM_001315.2
UniProt Accession #	Q16539; O60776; Q13083; Q14084; Q8TDX0; A6ZJ92; A8K6P4; B0LPH0; B5TY32
Molecular Weight	41293
NCBI Official Full Name	mitogen-activated protein kinase 14 isoform 1
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://stage.aaabiotech.com/polyclonal/mapk14-antibody-western-blot-flow-cytometry-elisa/288465>