

Rabbit MAPK1 Polyclonal Antibody | anti-MAPK1 antibody

MAPK1 Antibody (Center)

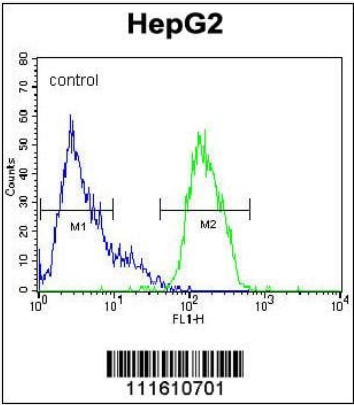
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286152	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rat, Xenopus)	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

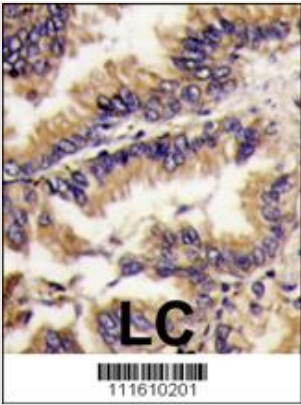
MAPK1; Polyclonal Antibody; MAPK1 Antibody (Center); Mitogen-activated protein kinase 1; MAP kinase 1; MAPK 1; ERT1; Extracellular signal-regulated kinase 2; ERK-2; MAP kinase isoform p42; p42-MAPK; Mitogen-activated protein kinase 2; MAP kinase 2; MAPK 2; ERK2; PRKM1; PRKM2; anti-MAPK1 antibody

PRODUCT SPECIFICATIONS

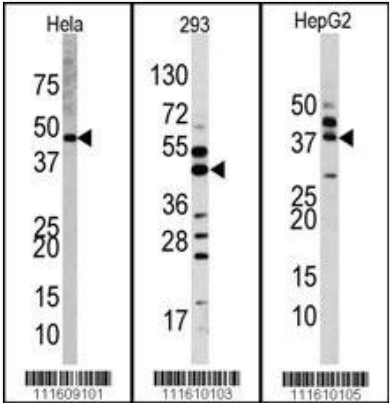
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MAPK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 154-183 amino acids from the Central region of human MAPK1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	154-183
Sequence Length	316
Applicable Applications for anti-MAPK1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
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)
MAPK1 Antibody (Center) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with MAPK1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-MAPK1 Antibody (Center) Pab (RB11609) in HeLa, 293, and HepG2 cell line lysates. MAPK1 Antibody (Center)(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK1 antibody	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), 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. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets.
Product Categories/Family for anti-MAPK1 antibody	Cancer; Cell biology; Immunology; Metabolism; Signal transduction
References	Munshi, H.G., et al., J. Biol. Chem. 279(37):39042-39050 (2004). Mukherjee, S., et al., Infect. Immun. 72(9):5274-5282 (2004). Lou, Y., et al., Biochem. Biophys. Res. Commun. 321(2):495-501 (2004). Mitsushima, M., et al., J. Biol. Chem. 279(33):34570-34577 (2004). Huang, H.M., et al., Biochem. Biophys. Res. Commun. 320(4):1247-1252 (2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	66932916
NCBI GeneID	5594
NCBI Accession #	NP_002736.3; NP_620407.1

NCBI GenBank Nucleotide #	NM_002745.4
UniProt Accession #	P28482 ; A8CZ64
Molecular Weight	41390
NCBI Official Full Name	mitogen-activated protein kinase 1
NCBI Official Synonym Full Names	mitogen-activated protein kinase 1
NCBI Official Symbol	MAPK1
NCBI Official Synonym Symbols	ERK; p38; p40; p41; ERK2; ERT1; ERK-2; MAPK2; PRKM1; PRKM2; P42MAPK; p41mapk; p42-MAPK
NCBI Protein Information	mitogen-activated protein kinase 1
UniProt Protein Name	Mitogen-activated protein kinase 1
UniProt Gene Name	MAPK1
UniProt Synonym Gene Names	ERK2; PRKM1; PRKM2; MAP kinase 1; MAPK 1; ERK-2; p42-MAPK; MAP kinase 2; MAPK 2
UniProt Entry Name	MK01_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/mapk1-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/286152>