

MAPK1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7250b

Product Information

Application	IHC-P, FC, WB, E
Primary Accession	P28482
Other Accession	P63086 , P63085 , P46196
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	316-345

Additional Information

Other Names	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, MAPK1, ERK2, PRKM1, PRKM2
Target/Specificity	This MAPK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 316-345 amino acids from the C-terminal region of human MAPK1.
Dilution	IHC-P~~1:100~500 FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
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.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MAPK1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

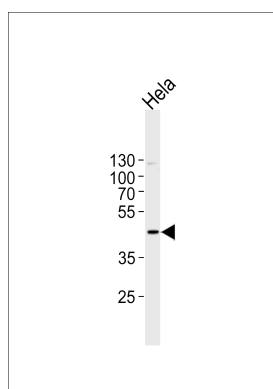
MAPK1 is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals, and are involved in a wide variety

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.

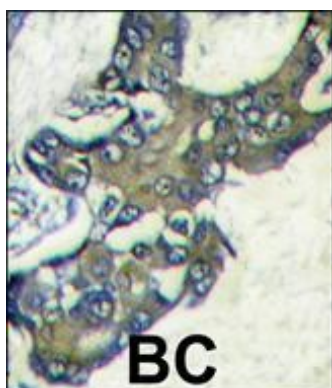
References

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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).

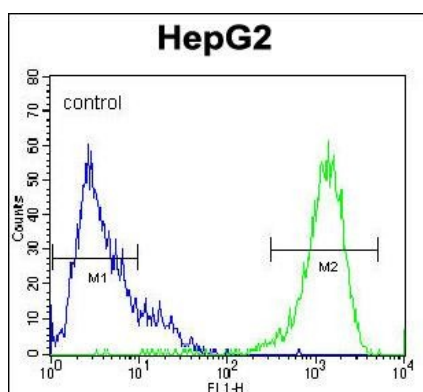
Images



MAPK1 Antibody (C-term) (Cat. #AP7250b) western blot analysis in Hela cell line lysates (35ug/lane). This demonstrates the MAPK1 antibody detected the MAPK1 protein (arrow).



Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with MAPK1 Antibody (C-term) (Cat. #AP7250b), 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.



MAPK1 Antibody (C-term) (Cat. #AP7250b) 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.