

Rabbit MAPK1/2 Polyclonal Antibody | anti-MAPK1/2 antibody

MAPK1/2 antibody (Thr202/Tyr204)

CATALOG # AAA107912	HOST Rabbit	APPLICATIONS Immunohistochemistry, Western Blot
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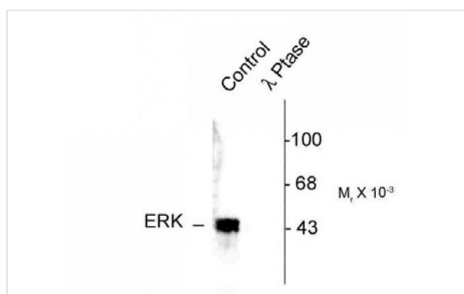
PRODUCT SYNONYMS

MAPK1/2; Polyclonal Antibody; MAPK1/2 antibody (Thr202/Tyr204); Polyclonal MAPK1/2; Anti-MAPK1/2; MAPK 1/2; MAPK-1/2; ERK; ERK2; ERT1; MAPK2; p38; p40; p41; p41mapk; P42MAPK; PRKM1; PRKM2; Mitogen-activated protein kinase 1 MAP kinase 2; MAPK 2; ERK 2; Extracellular Signal Regulated Kinase 2; MAPK 1.; anti-MAPK1/2 antibody

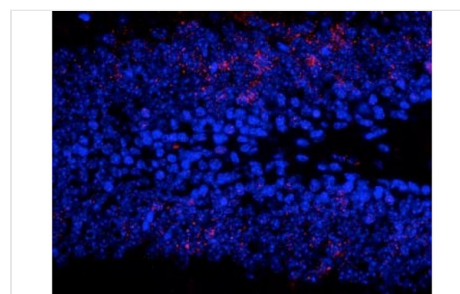
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Purity/Purification	MAPK1/2 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-MAPK1/2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Biological Significance	Mitogen-activated protein kinases also known as MAP kinases are serine/threonine-specific protein kinases belonging to the CMGC (CDK/MAPK/GSK3/CLK) kinase group. The closest relatives of MAPKs are the cyclin-dependent kinases (CDKs). MAPKs are involved in directing cellular responses to a diverse array of stimuli, such as mitogens, osmotic stress, heat shock and proinflammatory cytokines. They regulate proliferation, gene expression, differentiation, mitosis, cell survival, and apoptosis - among many others.

IMAGES


WB (Western Blot)

Western blot of human T47D cell lysates showing specific immunolabeling of ERK/MAPK protein phosphorylated at Thr202/Tyr204 (Control)


IF (Immunofluorescence)

Immunochemical staining of granule cells in the dentate gyrus of saline treated mouse showing ERK/MAPK when phosphorylated at Thr202/Tyr204 (red) and nuclei (blue)

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK1/2 antibody	Rabbit polyclonal MAPK1/2 antibody (Thr202/Tyr204)
Product Categories/Family for anti-MAPK1/2 antibody	Proteases; Inhibitors; & Enzymes; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	66932916
NCBI GeneID	5594
NCBI Accession #	NP_002736.3
NCBI GenBank Nucleotide #	NM_002745.4
UniProt Accession #	P28482; A8CZ64
Molecular Weight	36,432 Da
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/mapk1-2-antibody-immunohistochemistry-western-blot-elisa/107912>