

Rabbit anti-Human ERK1 Monoclonal Antibody | anti-MAPK3 antibody

ERK1 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282919	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

ERK1; Monoclonal Antibody; ERK1 Rabbit mAb; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK; anti-MAPK3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	FLTEYVATRW YRAPEIMLNS KGYTKSIDIW SVGCILAEML SNRPIFPGKH YLDQLNHILG ILGSPSQEDL NCIINMKARN YLQSLPSKTK VAWAKLFPKS D/LNSKGYK SIDIWSVGC LAEMLSNRPI FPGKH YLDQL NHILGILGSP SQEDLNCIIN LKARNYLLSL PHKNKVPWNR LFPNADSKAL DLLDKMLTFN PHK
Applicable Applications for anti-MAPK3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 200-300 of human ERK1/2 (P27361/P28482).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of PC-12 cells using ERK1 Rabbit mAb (AAA282919) at dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of lysates from Rat brain, using ERK1 Rabbit mAb (AAA282919) at 1:27000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK3 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 in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described.
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Product Categories/Family for anti-MAPK3 antibody

Epigenetics Nuclear Signaling; Translation Control; Regulation of eIF4 and p70 S6 Kinase; Protein phosphorylation; Signal Transduction; G protein signaling; G-Protein-Coupled Receptors Signaling to MAPK Erk; Kinase; Serine threonine kinases; mTOR Signalin

NCBI AND UNIPROT INFORMATION

NCBI GI #	91718897
NCBI GeneID	5595
NCBI Accession #	NP_001035145.1
NCBI GenBank Nucleotide #	NM_001040056.2
UniProt Accession #	P27361; Q8NHX1; A8CZ58; B0LPG3
Molecular Weight	Calculated MW: 43kDa Observed MW: 44kDa
UniProt Protein Name	Mitogen-activated protein kinase 3
UniProt Gene Name	MAPK3
UniProt Synonym Gene Names	ERK1; PRKM3; MAP kinase 3; MAPK 3; ERK-1; p44-MAPK
UniProt Entry Name	MK03_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/monoclonal/erk1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282919>