

MAPK1/MAPK3 recombinant antibody

MAPK1/MAPK3 Recombinant Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279119	HEK293F Cell	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

MAPK1/MAPK3; Monoclonal Recombinant Antibody; MAPK1/MAPK3 Recombinant Monoclonal Antibody; Mitogen-activated protein kinase 3 (MAP kinase 3)(MAPK 3)(EC 2.7.11.24)(ERT2)(Extracellular signal-regulated kinase 1)(ERK-1)(Insulin-stimulated MAP2 kinase)(MAP kinase isoform p44)(p44-MAPK)(Microtubule-associated protein 2 kinase)(p44-ERK1); MAPK3; ERK1 PRKM3; Mitogen-activated protein kinase 1 (MAP kinase 1)(MAPK 1)(EC 2.7.11.24)(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; MAPK1/MAPK3 recombinant antibody

PRODUCT SPECIFICATIONS

Host	HEK293F Cell
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	29B10
Purity/Purification	Affinity purified
Form/Format	Liquid; PBS, 150mM NaCl, 0.02% sodium azide, 50% glycerol, pH 7.4.
Applicable Applications for MAPK1/MAPK3 recombinant antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Species	Human
Immunogen	A synthesized peptide derived from Human MAPK1/MAPK3
Conjugation	Non-conjugated
Research Area	Others
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



FCM/FACS (Flow Cytometry)

Overlay Peak curve showing HeLa cells stained with AAA279119 (red line) at 1:50. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*10⁶cells) for 45min at 4?. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4?.Control antibody (green line) was rabbit IgG (1ug/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.



IHC (Immunohistochemistry)

IHC image of AAA279119 diluted at 1:50 and staining in paraffin-embedded human stomach tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.64% DAB.



WB (Western Blot)

Western BlotPositive WB detected in: THP-1 whole cell lysate, HEPG2 whole cell lysate,MCF7 whole cell lysate,293 whole cell lysate,K562 whole cell lysate,PC-3 whole cell lysate, Mouse brain tissue lysateAll lanes: ERK1/2 antibody at 1:1000SecondaryGoat polyclonal to rabbit IgG at 1/50000Predicted band size: 42,44 kDaObserved band size: 42,44 kDa

NCBI AND UNIPROT INFORMATION

NCBI GI #	91718897
NCBI GeneID	5595
NCBI Accession #	NP_001035145.1
NCBI GenBank Nucleotide #	NM_001040056.2
UniProt Accession #	P27361; P28482
Molecular Weight	43,136 Da
NCBI Official Full Name	mitogen-activated protein kinase 3 isoform 2
NCBI Official Synonym Full Names	mitogen-activated protein kinase 3
NCBI Official Symbol	MAPK3
NCBI Official Synonym Symbols	ERK1; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK
NCBI Protein Information	mitogen-activated protein kinase 3; MAPK 1; MAP kinase isoform p44; insulin-stimulated MAP2 kinase; extracellular signal-related kinase 1; extracellular signal-regulated kinase 1; microtubule-associated protein 2 kinase
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/mapk1-mapk3-recombinant-antibody-clone-29b10-flow-cytometry-immunohistochemistry-western-blot-elisa/279119>