

Rabbit anti-Human ERK1-T202/Y204 + ERK2-T185/Y187 Monoclonal Antibody | anti-MAPK1/MAPK3 antibody

Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283116	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

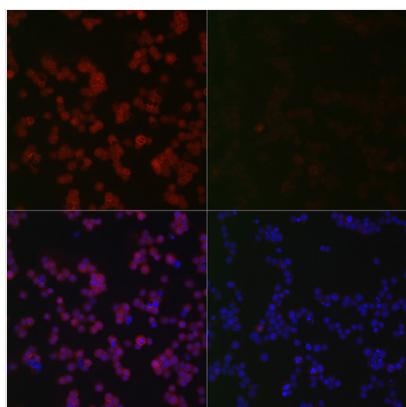
PRODUCT SYNONYMS

ERK1-T202/Y204 + ERK2-T185/Y187; Monoclonal Antibody; Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit mAb; ERK-1; ERK1; ERT2; HS44KDAP; HUMKER1A; P44ERK1; P44MAPK; PRKM3; p44-ERK1; p44-MAPK; Phospho-ERK1-T202/Y204 + ERK2-T185/Y187; anti-MAPK1/MAPK3 antibody

PRODUCT SPECIFICATIONS

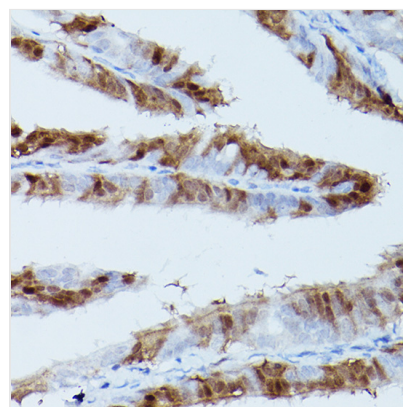
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	LTEYV
Applicable Applications for anti-MAPK1/MAPK3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic phosphorylated peptide around T202 & Y204 of human ERK1 (P27361).
Modification	Phospho T202/Y204, Phospho T185/Y187
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



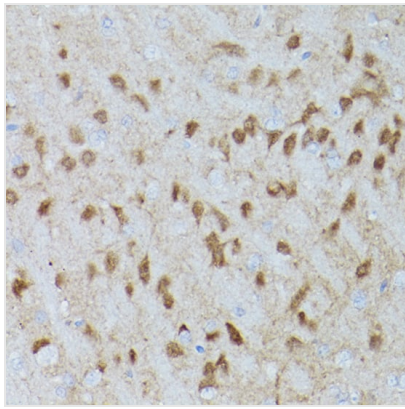
IF (Immunofluorescence)

Immunofluorescence analysis of Jurkat cells (treated with PMA) and Jurkat cells (untreated), using Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit mAb (AAA283116) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



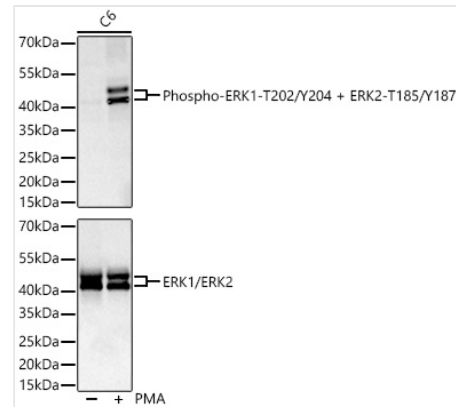
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat fallopian tube using Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit mAb (AAA283116) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



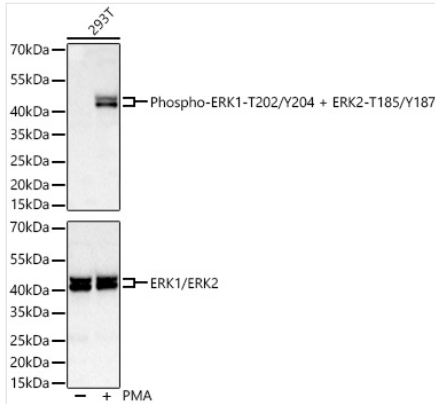
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat brain using Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit mAb (AAA283116) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of lysates from C6 cells using Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit mAb (AAA283116) at 1:1000 dilution (upper) or ERK1/2 Rabbit mAb (A4782) at 1:3000 dilution (lower) incubated overnight at 4°. C6 cells were treated by PMA (200 nM) at 37° for 10 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 ug per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45s.



WB (Western Blot)

Western blot analysis of lysates from 293T cells using Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit mAb (AAA283116) at 1:1000 dilution (upper) or ERK1/2 Rabbit mAb (A4782) at 1:3000 dilution (lower) incubated overnight at 4°. 293T cells were treated by PMA (100 nM) at 37° for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 ug per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK1/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. [provided by RefSeq, Jul 2008]

Product Categories/Family for anti-MAPK1/MAPK3 antibody

[Phosphorylated Antibodies](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	91718897
NCBI GeneID	5595/5594
NCBI Accession #	NP_001035145.1

NCBI GenBank Nucleotide #	NM_001040056.2
UniProt Accession #	P27361; P28482
Molecular Weight	Calculated MW: 42kDa/44kDa Observed MW: 42kDa/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-t202-y204-erk2-t185-y187-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/283116>