

Rabbit anti-Human, Mouse ERK 5 Polyclonal Antibody | anti-ERK-5 antibody

ERK 5 Polyclonal Antibody

CATALOG # AAA174090	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

ERK 5; Polyclonal Antibody; ERK 5 Polyclonal Antibody; Big MAP kinase 1; BMK 1; BMK 1 kinase; BMK-1; BMK1; BMK1 Kinase; EC 2.7.11.24; ERK 4; ERK4; ERK5; Extracellular signal regulated kinase 5; Extracellular signal-regulated kinase 5; MAP kinase 7; MAPK 7; MAPK7; Mitogen activated protein kinase 7; Mitogen-activated protein kinase 7; MK07; OTTHUMP00000065906; OTTHUMP00000065907; PRKM 7; PRKM7; PROTEIN KINASE; MITOGEN-ACTIVATED; 7; anti-ERK-5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration	1 mg/mL (varies by lot)
Sequence Length	677
Applicable Applications for anti-ERK-5 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant protein of human MAPK7
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of MCF-7 cells using MAPK7 antibody.


WB (Western Blot)

Western blot analysis of extracts of various cell lines, using MAPK7 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ERK-5 antibody

The protein encoded by this gene is a member of the MAP kinase family. MAP kinases 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. This kinase is specifically activated by mitogen-activated protein kinase kinase 5 (MAP2K5/MEK5). It is involved in the downstream signaling processes of various receptor molecules including receptor type kinases, and G protein-coupled receptors. In response to extracellular signals, this kinase translocates to cell nucleus, where it regulates gene expression by phosphorylating, and activating different transcription factors. Four alternatively spliced transcript variants of this gene encoding two distinct isoforms have been reported.

Product Categories/Family for anti-
ERK-5 antibody

[Cancer](#); [Neuroscience](#); [Signal transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	20986497
NCBI GeneID	5598
NCBI Accession #	NP_002740.2
NCBI GenBank Nucleotide #	NM_002749.4
UniProt Accession #	Q13164; Q16634; Q59F50; Q6QLU7; Q7L4P4; Q969G1; Q96G51
Molecular Weight	Calculated: 50kDa; 59kDa; 73kDa; 88kDa Observed: 47kDa
NCBI Official Full Name	mitogen-activated protein kinase 7 isoform 1
NCBI Official Synonym Full Names	mitogen-activated protein kinase 7
NCBI Official Symbol	MAPK7
NCBI Official Synonym Symbols	BMK1; ERK4; ERK5; PRKM7
NCBI Protein Information	mitogen-activated protein kinase 7
UniProt Protein Name	Mitogen-activated protein kinase 7
UniProt Gene Name	MAPK7
UniProt Synonym Gene Names	BMK1; ERK5; PRKM7; MAP kinase 7; MAPK 7; BMK-1; ERK-5

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/erk-5-antibody-immunofluorescence-western-blot-elisa/174090>