

Rabbit anti-Mouse, Rat ERK 1/2 Polyclonal Antibody | anti-ERK1 antibody

ERK 1/2 Polyclonal Antibody

CATALOG # AAA174067	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Western Blot
-------------------------------	-----------------------	---------------------------------	-------------------------------------

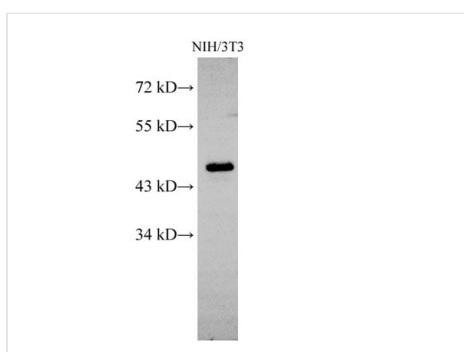
PRODUCT SYNONYMS

ERK 1/2; Polyclonal Antibody; ERK 1/2 Polyclonal Antibody; MAPK3; PRKM3; Mitogen-activated protein kinase 3; MAP kinase 3; MAPK 3; ERT2; Extracellular signal-regulated kinase 1; ERK-1; Insulin-stimulated MAP2 kinase; MAP kinase isoform p44; p44-MAPK; Microtubule-associated protein 2 kinase; p; anti-ERK1 antibody

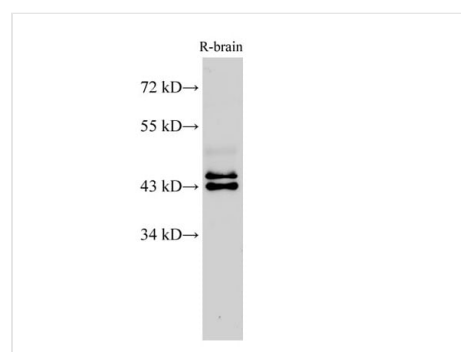
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% Proclin300, 50% glycerol, pH7.3.
Concentration	0.25 mg/mL (varies by lot)
Sequence Length	406
Applicable Applications for anti-ERK1 antibody	WB (Western Blot)
Immunogen	Recombinant Rat Mitogen-activated protein kinase 3 protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES


WB (Western Blot)

Western Blot analysis of NIH/3T3 cells using Mapk3 Polyclonal Antibody at dilution of 1:500


WB (Western Blot)

Western Blot analysis of Rat brain using Mapk3 Polyclonal Antibody at dilution of 1:500

ADDITIONAL INFORMATION

Related Product Information for anti-ERK1 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;This gene encodes a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), 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. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets. One study also suggests that this protein acts as a transcriptional repressor independent of its kinase activity. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reported for this gene.
Product Categories/Family for anti-ERK1 antibody	Cnacer; Signal Transduction; Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	8393331
NCBI GeneID	50689
NCBI Accession #	NP_059043.1
NCBI GenBank Nucleotide #	NM_017347.2
UniProt Accession #	P21708; Q4PIY8; Q62686; Q9JJ13
Molecular Weight	Calculated: 43,46 kDa Observed: 43; 46 kDa
NCBI Official Full Name	mitogen-activated protein kinase 3
NCBI Official Synonym Full Names	mitogen activated protein kinase 3
NCBI Official Symbol	Mapk3
NCBI Official Synonym Symbols	p44; ERK1; ERT2; MNK1; Erk-1; Esrk1; MAPK1; Prkm3; p44erk1; p44mapk
NCBI Protein Information	mitogen-activated protein kinase 3
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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/erk-1-2-antibody-western-blot-elisa/174067>