

Rabbit anti-Human, mouse ERK4 Polyclonal Antibody | anti-MAPK4 antibody

ERK4 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286397	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

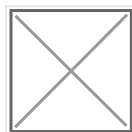
PRODUCT SYNONYMS

ERK4; Polyclonal Antibody; ERK4 Antibody (C-term); Mitogen-activated protein kinase 4; MAP kinase 4; MAPK 4; Extracellular signal-regulated kinase 4; ERK-4; MAP kinase isoform p63; p63-MAPK; MAPK4; PRKM4; anti-MAPK4 antibody

PRODUCT SPECIFICATIONS

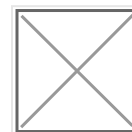
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ERK4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 527-557 amino acids from the C-terminal region of human ERK4.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.64 (varies by lot)
Sequence Positions	527-557
Sequence Length	587
Applicable Applications for anti-MAPK4 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with ERK4 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of anti-ERK4 Pab in mouse brain tissue lysate. ERK4 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK4 antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The CMGC group consists of 60 kinases including the cyclin-dependent kinase (CDK) and close relatives family, the MAP kinase (ERK) family, the glycogen synthase kinase 3 (GSK3) family, and the Cdc2-like kinase (CLK) family.
Product Categories/Family for anti-MAPK4 antibody	Cancer; Signal Transduction
References	Robinson, M.J., et al., Curr. Opin. Cell Biol. 9(2):180-186 (1997). Davis, R.J., Mol. Reprod. Dev. 42(4):459-467 (1995). Seger, R., et al., FASEB J. 9(9):726-735 (1995). Li, L., et al., Oncogene 9(2):647-649 (1994). Zhu, A.X., et al., Mol. Cell. Biol. 14(12):8202-8211 (1994).

NCBI AND UNIPROT INFORMATION

NCBI GI #	89276769
NCBI GeneID	5596
NCBI Accession #	NP_002738.2
NCBI GenBank Nucleotide #	NM_002747.3
UniProt Accession #	P31152; Q0VG04; A1A4C4
Molecular Weight	65922
NCBI Official Full Name	mitogen-activated protein kinase 4 isoform 1
NCBI Official Synonym Full Names	mitogen-activated protein kinase 4
NCBI Official Symbol	MAPK4
NCBI Official Synonym Symbols	ERK4; ERK-4; PRKM4; p63MAPK; p63-MAPK
NCBI Protein Information	mitogen-activated protein kinase 4
UniProt Protein Name	Mitogen-activated protein kinase 4
UniProt Gene Name	MAPK4
UniProt Synonym Gene Names	ERK4; PRKM4; MAP kinase 4; MAPK 4; ERK-4; p63-MAPK
UniProt Entry Name	MK04_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.