

Rabbit MEK1/2 Polyclonal Antibody | anti-MAP2K1 antibody

MEK1/2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40844	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

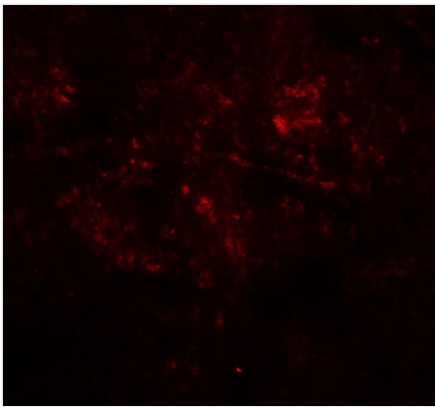
PRODUCT SYNONYMS

MEK1/2; Polyclonal Antibody; MEK1/2 Antibody; Mitogen-activated protein kinase kinase 1; MAP2K1; MAPKK1; MEK1; MKK1; PRKMK1; CFC3; Mitogen-activated protein kinase kinase 2; MAP2K2; MAPKK2; MEK2; MKK2; PRKMK2; CFC; anti-MAP2K1 antibody

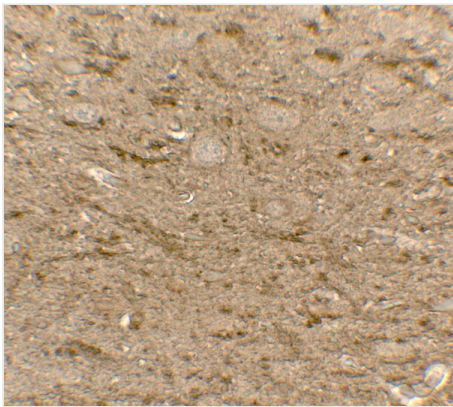
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MEK1/2 antibody is human, mouse, and rat reactive. This antibody detects both MEK1 and MEK2.
Purity/Purification	Affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	393
Applicable Applications for anti-MAP2K1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	MEK1/2 antibody was raised against a 15 amino acid peptide near the center of human MEK1.
Buffer	Supplied in PBS containing 0.02% sodium azide.
Positive Control 1	Human Brain Tissue Lysate
Conjugate	Unconjugated
Preparation and Storage	Store at 4 degree C for three months and -20 degree C, stable for up to one year.

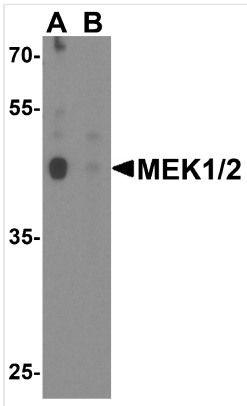
IMAGES



IF (Immunofluorescence)
Immunofluorescence of MEK1/2 in mouse brain tissue with MEK1/2 antibody at 20 μg/mL.



IHC (Immunohiostchemistry)
Immunohistochemistry of MEK1/2 in mouse brain tissue with MEK1/2 antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of MEK1/2 in human brain tissue lysate with MEK1/2 antibody at 1 μg/ml in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K1 antibody	The mitogen-activated protein kinase kinase 1 (MAP2K1, also known as MEK1) and the highly homologous MEK2 are members of the dual specificity protein kinase family (1). MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals (2). MEK1 lies upstream of MAP kinases and stimulates the enzymatic activity of MAP kinases upon wide variety of extra- and intracellular signals. As an essential component of MAP kinase signal transduction pathway, MEK1 is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development (2).
Product Categories/Family for anti-MAP2K1 antibody	Signal Transduction
References	Zheng CF and Guan KL. Cloning and characterization of two distinct human extracellular signal-regulated kinase activator kinases, MEK1 and MEK2. J. Biol. Chem. 1993; 268:11435-9. Marais R and Marshall CJ. Control of the ERK MAP kinase cascade by Ras and Raf. Cancer Surv. 1996; 27:101-25.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5579478
NCBI GeneID	5604
NCBI Accession #	NP_002746
NCBI GenBank Nucleotide #	NM_002755.3

UniProt Accession #	Q0VD16 ; F2Z4G4 ; Q02750
Molecular Weight	Predicted: 43 kDa Observed: 44 kDa
NCBI Official Full Name	dual specificity mitogen-activated protein kinase kinase 1
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase 1
NCBI Official Symbol	MAP2K1
NCBI Official Synonym Symbols	CFC3; MEK1; MKK1; MAPKK1; PRKMK1
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 1
UniProt Protein Name	MAP2K1 protein
UniProt Gene Name	MAP2K1
UniProt Entry Name	Q0VD16_BOVIN

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/mek1-2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40844>