Rabbit anti-Mouse MEK1 Polyclonal Antibody | anti-MAP2K1 antibody

Anti-MEK1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257134	**Rabbit**	**Mouse**	**Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, ELISA, Western Blot**

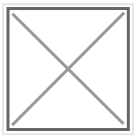
PRODUCT SYNONYMS

MEK1; Polyclonal Antibody; Anti-MEK1 Antibody; Rabbit Polyclonal; MEK1/MAP2K1/MKK1 Antibody; Rabbit PAb; Antigen Affinity Purified; mitogen-activated protein kinase kinase 1; Anti-MAPKK1 Antibody; Anti-Mek1 Antibody; Anti-MEKK1 Antibody; Anti-Prkmk1 Antibody; anti-MAP2K1 antibody

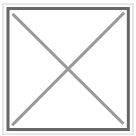
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse MEK1/MAP2K1/MKK1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Concentration	5 mg/mL (varies by lot)
Applicable Applications for anti-MAP2K1 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Mouse MEK1/MAP2K1/MKK1 Protein ( )
Preparation	Produced in rabbits immunized with purified, recombinant Mouse MEK1/MAP2K1/MKK1 (rM MEK1/MAP2K1/MKK1). MEK1/MAP2K1/MKK1 specific IgG was purified by Mouse MEK1/MAP2K1/MKK1 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

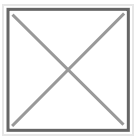
IMAGES



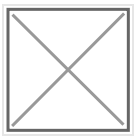
IP (Immunoprecipitation)
Mouse MAP2K1 was immunoprecipitated using:Lane A:0.5 mg Jurkat Whole Cell LysateLane B:0.5 mg Hela Whole Cell Lysate1 uL anti-Mouse MAP2K1 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-Mouse MAP2K1 rabbit polyclonal antibody,at 1:500 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 43 kDaObserved band size: 43 kDa



IF (Immunofluorescence)
Immunofluorescence staining of mMAP2K1 in HeLa cells. Cells were fixed with 4% PFA, permeabilzed with 0.3% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-mouse mMAP2K1 polyclonal antibody (1:5000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.



IHC (Immunohiostchemistry)
Immunochemical staining of mouse MAP2K1 in mouse kidney with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections).



WB (Western Blot)
Anti-MAP2K1 rabbit polyclonal antibody at 1:500 dilutionLane A: Jurkat Whole Cell LysateLane B: HeLa Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti- Rabbit IgG H&L (Dylight 800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:43 kDaObserved band size:46 kDa

ADDITIONAL INFORMATION

Product Categories/Family for anti-MAP2K1 antibody	Cancer Drug Targets; Death Receptor Signaling
References	Rampoldi L, et al. (1998) Chromosomal localization of four MAPK signaling cascade genes: MEK1, MEK3, MEK4 and MEKK5. Cytogenet Cell Genet. 78(3-4):301-3. Zheng CF, et al. (1993) Cloning and characterization of two distinct human extracellular signal-regulated kinase activator kinases, MEK1 and MEK2. J Biol Chem. 268(15):11435-9. Nantel, et al. (1998) Interaction of the Grb10 adapter protein with the Raf1 and MEK1 kinases. J Biol Chem. 273(17):10475-84. Hirata H, et al. (2012) l MicroRNA-1826 targets VEGFC, beta-catenin (CTNNB1) and MEK1 (MAP2K1) in human bladder cancer. Carcinogenesis. 33(1):41-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6678794
NCBI GeneID	26395
NCBI Accession #	NP_032953.1
NCBI GenBank Nucleotide #	NM_008927.3
UniProt Accession #	P31938
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	Mek1; MEKK1; MAPKK1; Prkmk1
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 1; MEK 1; MAPKK 1; MAPK/ERK kinase 1; MAP kinase kinase 1; ERK activator kinase 1; mitogen activated protein kinase kinase 1; protein kinase, mitogen activated, kinase 1, p45
UniProt Protein Name	Dual specificity mitogen-activated protein kinase kinase 1
UniProt Gene Name	**Map2k1**
UniProt Synonym Gene Names	Mek1; Prkmk1; MAP kinase kinase 1; MAPKK 1; MEK 1
UniProt Entry Name	MP2K1_MOUSE

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-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/257134