

Rabbit MEK2/MAP2K2 Polyclonal Antibody | anti-MAP2K2 antibody

Anti-MEK2/MAP2K2 Antibody Picoband

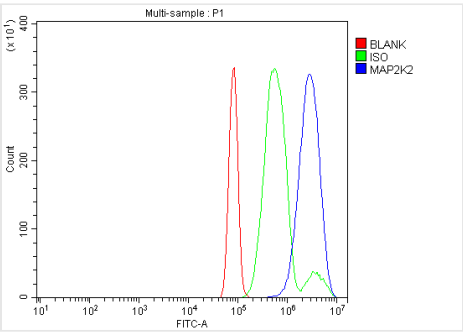
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126100	Rabbit	Human, Mouse, Rat	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

MEK2/MAP2K2; Polyclonal Antibody; Anti-MEK2/MAP2K2 Antibody Picoband; anti-MAP2K2 antibody

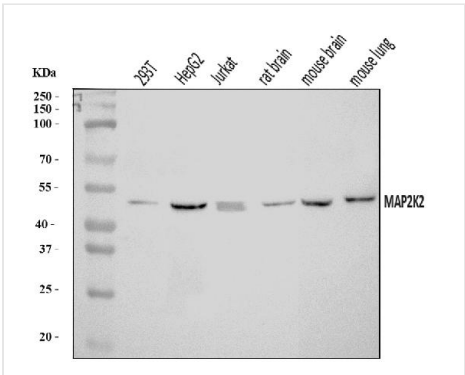
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Natural and recombinant Human IL2
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-MAP2K2 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA, citrate)
Detection Range	15.6 pg/ml - 1,000 pg/ml
Immunogen	E Coli-derived human MEK2/MAP2K2 recombinant protein (Position: M1-E45).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of RH35 cells using anti-MEK2/MAP2K2 antibody (AAA126100).Overlay histogram showing RH35 cells stained with AAA126100 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-MEK2/MAP2K2 Antibody (AAA126100, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of MEK2/MAP2K2 using anti-MEK2/MAP2K2 antibody (AAA126100).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human 293T whole cell lysates,Lane 2: human HepG2 whole cell lysates,Lane 3: human Jurkat whole cell lysates,Lane 4: rat brain tissue lysates,Lane 5: mouse brain tissue lysates,Lane 6: mouse lung tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MEK2/MAP2K2 antigen affinity purified polyclonal antibody (#AAA126100) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for MEK2/MAP2K2 at approximately 44 kDa. The expected band size for MEK2/MAP2K2 is at 44 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K2 antibody	Background: Interleukin-2 (IL2), formerly referred to as T-cell growth factor, is a powerfully immunoregulatory lymphokine that is produced by lectin- or antigenactivated T cells. It is produced not only by mature T lymphocytes on stimulation but also constitutively by certain T-cell lymphoma cell lines. The lymphokine interleukin-2 (IL-2) is responsible for autocrine cell cycle progression and regulation of immune responses. IL-2 expression in mature thymocytes and T cells has been found to be tightly controlled by monoallelic expression. IL-2 can act as a growth hormone for both B and T lymphocytes. The human gene for interleukin 2 (IL2) is assigned to chromosome 4. Human IL-2 is a 15.5KDa glycoprotein, consisting of 153 amino acids in precursor form and 133 amino acids in mature form.
Product Categories/Family for anti-MAP2K2 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	547915
NCBI GeneID	5605
UniProt Accession #	P36507
Molecular Weight	400
NCBI Official Full Name	Dual specificity mitogen-activated protein kinase kinase 2
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase 2
NCBI Official Symbol	MAP2K2
NCBI Official Synonym Symbols	CFC4; MEK2; MKK2; MAPKK2; PRKMK2
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 2; MAPK/ERK kinase 2; MAP kinase kinase 2; ERK activator kinase 2; mitogen-activated protein kinase kinase 2, p45

UniProt Protein Name	Dual specificity mitogen-activated protein kinase kinase 2
UniProt Gene Name	MAP2K2
UniProt Synonym Gene Names	MEK2; MKK2; PRKMK2; MAP kinase kinase 2; MAPKK 2; MEK 2
UniProt Entry Name	MP2K2_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mek2-map2k2-antibody-western-blot-flow-cytometry-elisa/126100>