

Rabbit anti-Human MEK1 Polyclonal Antibody | anti-MEK1 antibody

Rabbit anti-MEK1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211777	Rabbit	Human	Immunohistochemistry, Western Blot

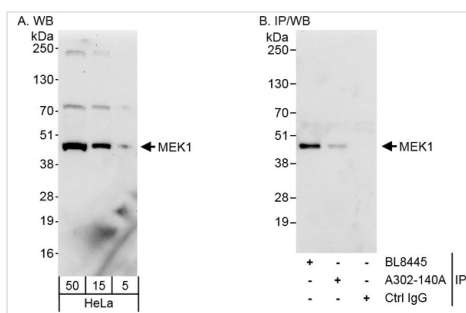
PRODUCT SYNONYMS

MEK1; Polyclonal Antibody; Rabbit anti-MEK1 Antibody; Affinity Purified; MAPKK1; protein kinase; mitogen-activated; kinase 1 (MAP kinase kinase 1); PRKMK1; MKK1; MEK 1; MAPKK 1; MAPK/ERK kinase 1; MAP kinase kinase 1; ERK activator kinase 1; CFC3; dual specificity mitogen-activated protein kinase kinase 1; Dual specificity mitogen-activated protein kinase kinase 1; mitogen-activated protein kinase kinase 1; anti-MEK1 antibody

PRODUCT SPECIFICATIONS

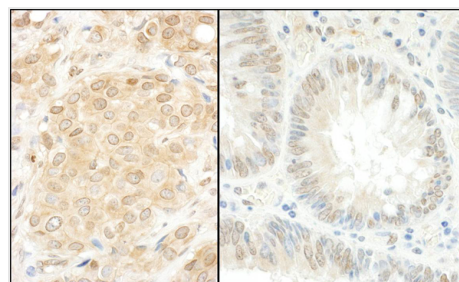
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-MEK1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Predicted Reactivity	X. laevis, Rabbit, Chimpanzee
Immunogen	Between 343 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human MEK1 by western blot and immunoprecipitation. Samples: Whole cell lysate (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-MEK1 antibody AAA211777 used for WB at 0.1 ug/ml (A) and 1 ug/ml (B) and used for IP at 3 ug/mg lysate. MEK1 was efficiently immunoprecipitated by rabbit anti-MEK1 antibody BL8445, which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 30 seconds (A) and 10 seconds (B).



IHC (Immunohistochemistry)

Detection of human MEK1 by immunohistochemistry. Sample: FFPE section of human breast carcinoma (left) and colon carcinoma (right). Antibody: Affinity purified rabbit anti-MEK1 (Cat. No. AAA211777 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-MEK1 antibody	MEK1 is an activator and kinase for MAP and ERK kinases. It is a serine/threonine kinase essential to the MAP kinase signal transduction pathway which is involved in a multitude of cellular processes such as proliferation, differentiation, gene activation, and development. MEK1 displays 85% identity with MEK2. Although MEK1 and MEK2 have been found to be functionally similar, they may serve non-redundant functions. Both are required for cellular proliferation and may play a role in tumorigenesis.
Product Categories/Family for anti-MEK1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	5579478
NCBI GeneID	5604
NCBI Accession #	NP_002746.1
NCBI GenBank Nucleotide #	NM_002755.3
UniProt Accession #	Q02750
Molecular Weight	43,439 Da
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; MKK1; MAPKK1; PRKMK1
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 1; MEK 1; MAPKK 1; MAPK/ERK kinase 1; ERK activator kinase 1; protein kinase, mitogen-activated, kinase 1 (MAP kinase kinase 1)
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; MKK1; MEK 1
UniProt Entry Name	MP2K1_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://stage.aaabiotech.com/polyclonal/mek1-antibody-immunohistochemistry-western-blot-elisa/211777>