

MEK1 recombinant antibody

Rabbit anti-MEK1 Recombinant Monoclonal Antibody [BLR095G]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213573	Rabbit	Human, Mouse	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

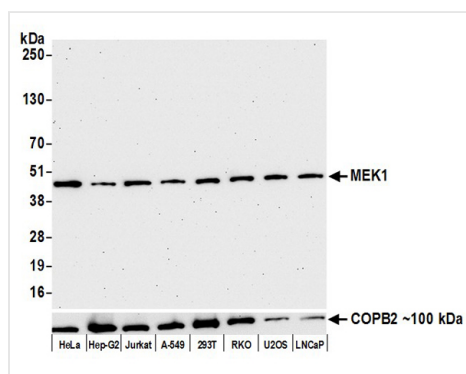
PRODUCT SYNONYMS

MEK1; Monoclonal Recombinant Antibody; Rabbit anti-MEK1 Recombinant Monoclonal Antibody [BLR095G]; 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; MEK1 recombinant antibody

PRODUCT SPECIFICATIONS

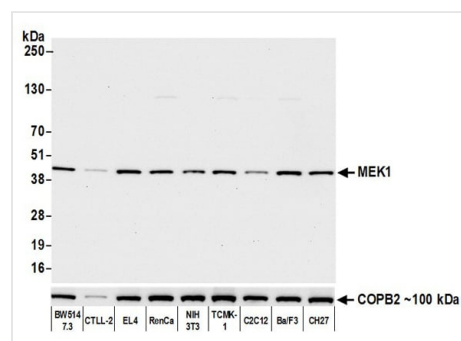
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	BLR095G
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	100ug/ml (varies by lot)
Applicable Applications for MEK1 recombinant antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



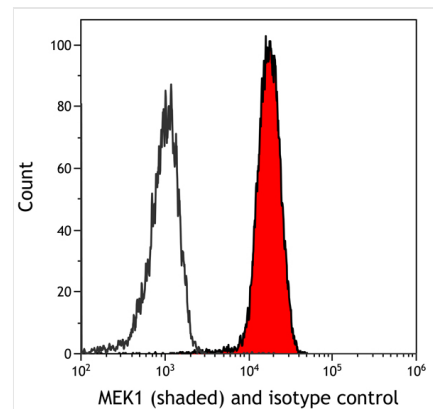
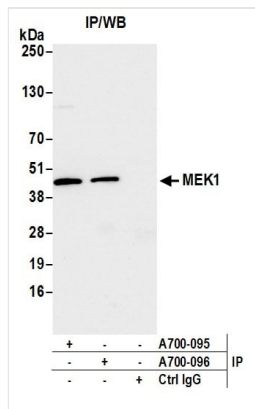
WB (Western Blot)

Detection of human MEK1 by western blot. Samples: Whole cell lysate (10 ug) from HeLa, Hep-G2, Jurkat, A-549, HEK293T, RKO, U2OS, and LNCaP cells prepared using NETN lysis buffer. Antibody: Rabbit anti-MEK1 recombinant monoclonal antibody (AAA213573 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG. Detection: Chemiluminescence with an exposure time of 75 seconds. Lower Panel: Rabbit anti-COPB2.



WB (Western Blot)

Detection of mouse MEK1 by western blot. Samples: Whole cell lysate (50 ug) from BW5147.3, CTLL-2, EL4, RenCa, NIH 3T3, TCMK-1, C2C12, Ba/F3, and CH27 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-MEK1 recombinant monoclonal antibody (AAA213573 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG. Detection: Chemiluminescence with an exposure time of 10 seconds. Lower Panel: Rabbit anti-COPB2.



IP (Immunoprecipitation)

Detection of human MEK1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-MEK1 recombinant monoclonal antibody (AAA213573 lot 1) used for IP at 20 ul/mg lysate. MEK1 was also immunoprecipitated by rabbit anti-MEK1 recombinant monoclonal antibody. For blotting immunoprecipitated MEK1, AAA213573 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 10 seconds.

FCM/FACS (Flow Cytometry)

Detection of human MEK1 (shaded) in Jurkat cells by flow cytometry. Antibody: Rabbit anti-MEK1 recombinant monoclonal (AAA213573 lot 1) or isotype control (unshaded). Secondary: DyLight 488-conjugated goat anti-rabbit IgG.

ADDITIONAL INFORMATION

Related Product Information for MEK1 recombinant 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 MEK1 recombinant 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/monoclonal/mek1-recombinant-antibody-clone-blr095g-flow-cytometry-immunoprecipitation-western-blot-elisa/213573>