Datasheet for ABIN2855379

anti-MEK1 antibody

3 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	MEK1 (MAP2K1)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human MEK1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to MEK1 (mitogen-activated protein kinase kinase 1) MEK1 antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	MEK1 (MAP2K1)
Alternative Name:	mitogen-activated protein kinase kinase 1 (MAP2K1 Products)

Target Details

Background:	The protein encoded by this gene is a member of the dual specificity protein kinase family, which acts as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein kinase 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, this kinase is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development.
Molecular Weight:	43 kDa
Gene ID:	5604
UniProt:	Q02750
Pathways:	MAPK Signaling, RTK Signaling, Interferon-gamma Pathway, Fc-epsilon Receptor Signaling Pathway, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Toll-Like Receptors Cascades, Autophagy, Signaling of Hepatocyte Growth Factor Receptor, BCR Signaling

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Mouse brain , 293T , A431 , HeLa , HepG2 Validation: Comparison
Restrictions:	For Research Use only

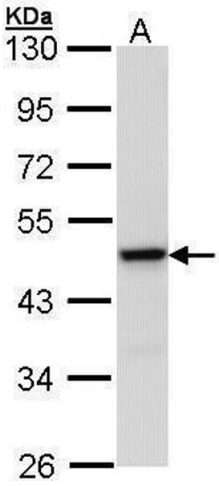
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

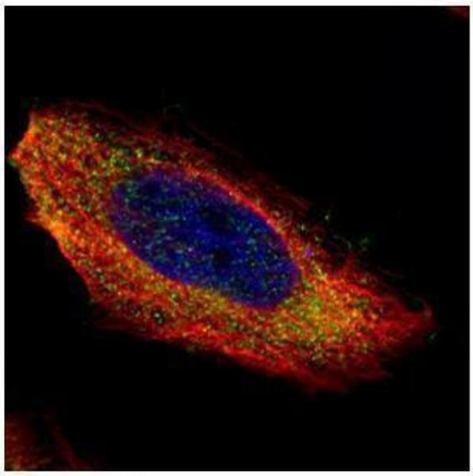
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



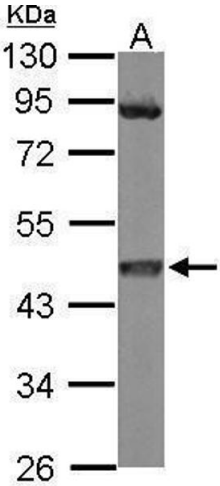
Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: 293T 10% SDS PAGE antibody diluted at 1:1000



Immunofluorescence

Image 2. ICC/IF Image Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed HeLa, using MEK1, antibody (Green) at 1:200 dilution. Alpha-tubulin filaments were labeled with (Red) at 1:2500.



Western Blotting

Image 3. WB Image Sample (50 ug of whole cell lysate) A: mouse brain 10% SDS PAGE antibody diluted at 1:3000