Datasheet for ABIN3044391

anti-MEK1 antibody (C-Term)

4 Images

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Overview

Quantity:	100 µg
Target:	MEK1 (MAP2K1)
Binding Specificity:	AA 353-367, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Dual specificity mitogen-activated protein kinase kinase 1(MAP2K1) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human MEK1(353-367aa KQLMVHAFIKRSDAE), identical to the related mouse and rat sequences.
Sequence:	KQLMVHAFIK RSDAE
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.

Product Details

Characteristics:	Rabbit IgG polyclonal antibody for Dual specificity mitogen-activated protein kinase kinase 1(MAP2K1) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat. Gene Name: mitogen-activated protein kinase kinase 1 Protein Name: Dual specificity mitogen-activated protein kinase kinase 1(MAP kinase kinase 1/)
Purification:	Immunogen affinity purified.

Target Details

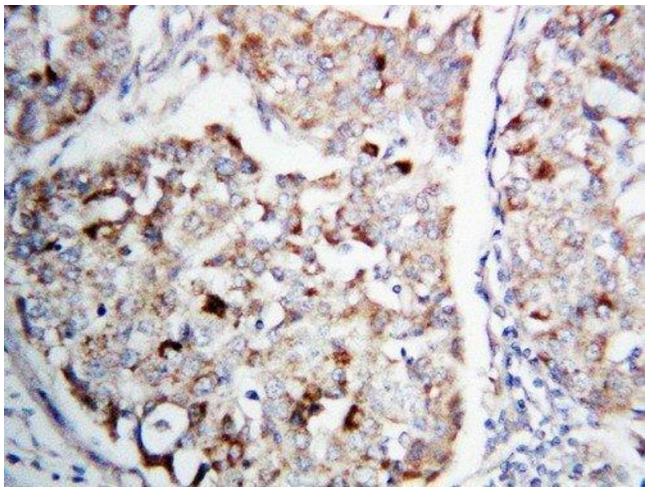
Target:	MEK1 (MAP2K1)
Alternative Name:	MAP2K1 (MAP2K1 Products)
Background:	Dual specificity mitogen-activated protein kinase kinase 1 is an enzyme that in humans is encoded by the MAP2K1 gene. The protein encoded by this gene is a member of the dual specificity protein kinase family, which acts as 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 activation by a wide variety of extra- and intracellular signals. As an essential component of the MAP kinase signal transduction pathway, this kinase is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development. Rampoldi et al.(1997) localized the MAP2K1 gene to 15q22.1-q22.33. Synonyms: Dual specificity mitogen activated protein kinase kinase 1 antibody|Dual specificity mitogen-activated protein kinase kinase 1 antibody|ERK activator kinase 1 antibody|MAP kinase kinase 1 antibody|MAP kinase/Erk kinase 1 antibody|MAP2K1 antibody|MAPK/ERK kinase 1 antibody|MAPKK 1 antibody|MAPKK1 antibody|MEK 1 antibody|Mek1 antibody|MEKK1 antibody|Mitogen activated protein kinase kinase 1 antibody|MKK 1 antibody|MKK1 antibody|MP2K1_HUMAN antibody|PRKMK1 antibody|Protein kinase mitogen activated kinase 1(MAP kinase kinase 1) antibody|Protein kinase mitogen activated, kinase 1 antibody
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: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and ICC.
Restrictions:	For Research Use only

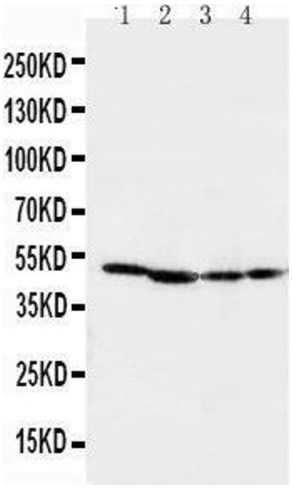
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months



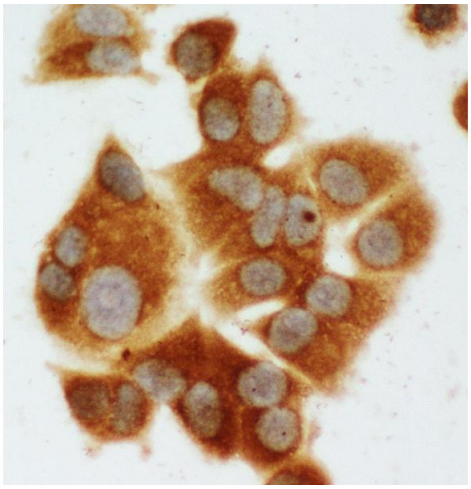
Immunohistochemistry

Image 1. Anti-MEK1 antibody, IHC(P) IHC(P): Human Lung Cancer Tissue



Western Blotting

Image 2. Anti-MEK1 antibody, Western blotting Lane 1: Rat Skeletal Muscle Tissue Lysate Lane 2: Rat Kidney Tissue Lysate Lane 3: CEM Cell Lysate Lane 4: COLO20 Cell Lysate



Immunohistochemistry

Image 3. Anti-MEK1 antibody, ICC ICC: MCF-7 Cell

Please check the product details page for more images. Overall 4 images are available for ABIN3044391.