

Datasheet for ABIN7213034
anti-MEK1/2 antibody (pSer218, pSer222)



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3 Images

Overview

Quantity:	100 µL
Target:	MEK1/2 (MAP2K1/2)
Binding Specificity:	pSer218, pSer222
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEK1/2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	MEK-1/2 (phospho Ser218/222) Polyclonal Antibody
Immunogen:	Synthesized peptide derived from human MEK-1/2 Phospho-Ser218/222
Isotype:	IgG
Specificity:	Phospho-MEK-1/2 (S218/222) Polyclonal Antibody detects endogenous levels of MEK-1/2 protein only when phosphorylated at S218/222.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

Target Details

Target:	MEK1/2 (MAP2K1/2)
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Target Details

Alternative Name: MEK-1/2 ([MAP2K1/2 Products](#))

Background: Rabbit Anti-MEK-1/2 (phospho Ser218/222) Polyclonal Antibody, MAP2K1, MEK1, PRKMK1, Dual specificity mitogen-activated protein kinase kinase 1, MAP kinase kinase 1, MAPKK 1, MKK1, ERK activator kinase 1, MAPK/ERK kinase 1, MEK 1, MAP2K2, MEK2, MKK2, PRKMK2, Dual specificity mitogen-activated protein kinase, Mitogen-activated protein kinase 1 encoded by MAP2K1 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. Mitogen-activated protein kinase 1 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, Mitogen-activated protein kinase 1 is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development. Dual specificity mitogen-activated protein kinase kinase 1

Molecular Weight: observed band 48kDa

Gene ID: 5604, 5605

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), ELISA (1:5000). Not yet tested in other applications.

Comment: Primary Antibody

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

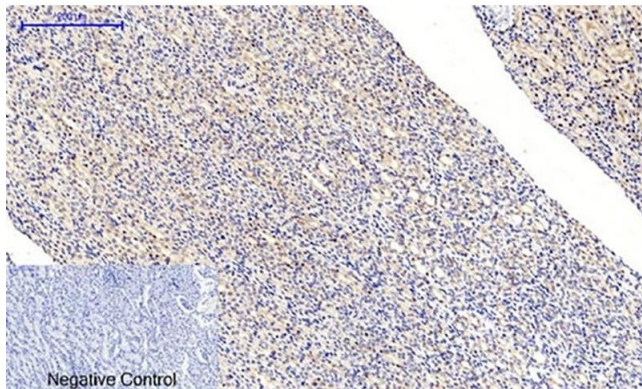
Storage: -20 °C

Handling

Storage Comment:

Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

Images



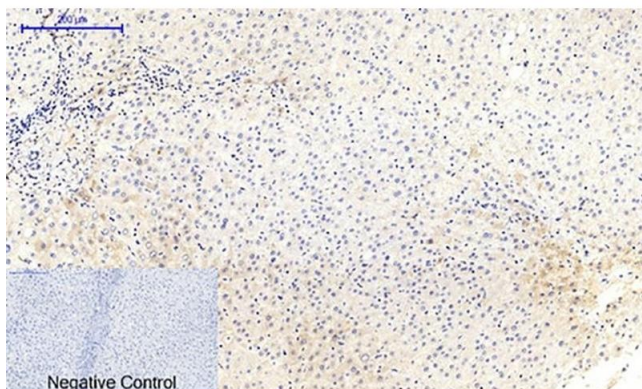
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded rat kidney tissue. 1, MEK-1/2 (phospho Ser218/222) Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



Western Blotting

Image 2. Western Blot analysis of various cells using Phospho-MEK-1/2 (S218/222) Polyclonal Antibody.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded human liver tissue. 1, MEK-1/2 (phospho Ser218/222) Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.