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Datasheet for ABIN7206521

## anti-MEK1/2 antibody

### 6 Images

#### Overview

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

#### Product Details

Purpose:	MEK-1/2 Polyclonal Antibody
Immunogen:	Synthesized peptide derived from human MEK-1/2 around the non-phosphorylation site of S218/222
Isotype:	IgG
Specificity:	MEK-1/2 Polyclonal Antibody detects endogenous levels of MEK-1/2 protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

#### Target Details

Target:	MEK1/2 (MAP2K1/2)
Alternative Name:	MEK-1/2 ( <a href="#">MAP2K1/2 Products</a> )

## Target Details

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**Background:** Rabbit Anti-MEK-1/2 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, Dual specificity mitogen-activated protein kinase kinase 2 encoded by MAP2K2 is a dual specificity protein kinase that belongs to the MAP kinase kinase family. Dual specificity mitogen-activated protein kinase kinase 2 is known to play a critical role in mitogen growth factor signal transduction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinase kinases. Mutations in this gene cause cardiofaciocutaneous syndrome (CFC syndrome), a disease characterized by heart defects, mental retardation, and distinctive facial features similar to those found in Noonan syndrome. The inhibition or degradation of this kinase is also found to be involved in the pathogenesis of Yersinia and anthrax. A pseudogene, which is located on chromosome 7, has been identified for this gene. Dual specificity mitogen-activated protein kinase kinase 1

**Gene ID:** 5604, 5605

## Application Details

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**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IF (1:50-1:200), IHC-P (1:50-1:300), ELISA (1:10000-1:20000). Not yet tested in other applications.

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 1 mg/mL

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

**Preservative:** Sodium azide

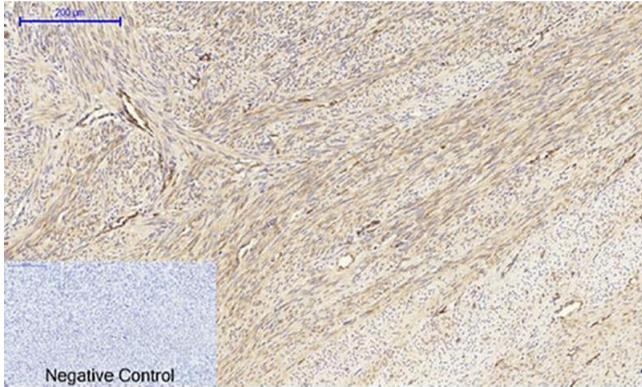
**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** -20 °C

**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

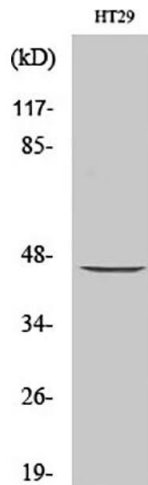
repeated freezing and thawing.

Images



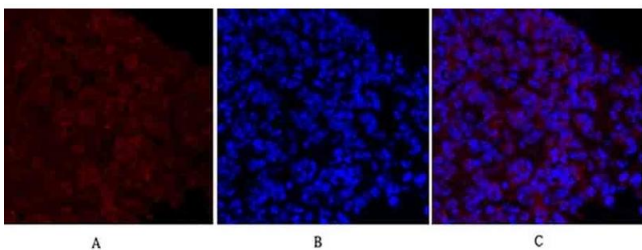
**Immunohistochemistry**

**Image 1.** Immunohistochemical analysis of paraffin-embedded human uterus tissue. 1, MEK-1/2 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 MEK-1/2 Polyclonal Antibody diluted at 1:1000.



**Immunofluorescence**

**Image 3.** Immunofluorescence analysis of mouse lung tissue. 1, MEK-1/2 Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7206521.