

# MEK1/MEK2 Rabbit pAb

Catalog No.: A18117 **2 Publications**

## Basic Information

### Observed MW

44kDa

### Calculated MW

40kDa/43kDa/44kDa

### Category

Primary antibody

### Applications

WB,ELISA

### Cross-Reactivity

Mouse,Rat

## Background

The protein MEK1 and MEK2 are two members of the dual specificity protein kinase family, which act as 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.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

5604/5605

### Swiss Prot

Q02750/P36507

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 200-300 of human MAP2K1 (NP\_002746.1).

### Synonyms

MEK1/MEK2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

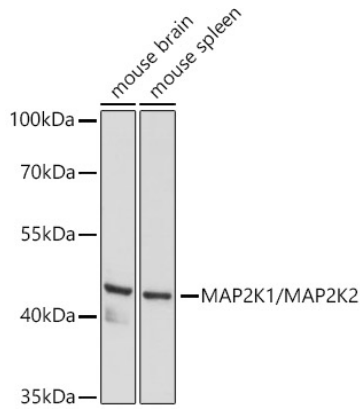
Affinity purification

### Storage

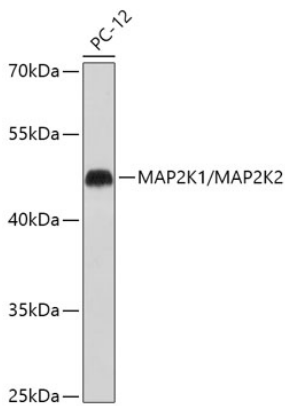
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of various lysates using MEK1/MEK2 Rabbit pAb (A18117) at 1:500 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 60s.



Western blot analysis of lysates from PC-12 cells, using MEK1/MEK2 Rabbit pAb (A18117) at 1:500 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.