

# Phospho-MEK1-T286 Rabbit pAb

Catalog No.: AP0065

## Basic Information

### Observed MW

43kDa

### Calculated MW

43kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse, Rat

## 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.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

5604

### Swiss Prot

Q02750

### Immunogen

A synthetic phosphorylated peptide around T286 of human MEK1 (NP\_002746.1).

### Synonyms

MEL; CFC3; MEK1; MKK1; MAPKK1; PRKMK1; Phospho-MEK1-T286

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

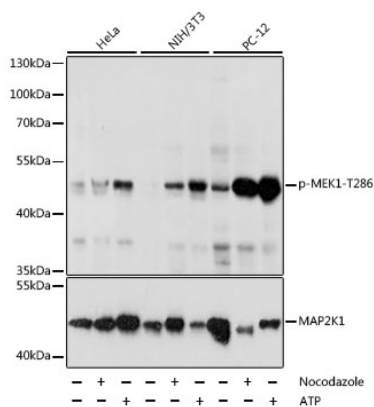
Affinity purification

### 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 Phospho-MEK1-T286 Rabbit pAb (AP0065) at 1:2000 dilution or MEK1 antibody (A12687). HeLa cells were treated by nocodazole (50 ng/mL) at 37°C for 20 hours or treated by ATP(5 mM) at 30°C for 1 hour. NIH/3T3 cells were treated by Nocodazole (50 ng/mL) at 37°C for 20 hours or treated by ATP(5 mM) at 30°C for 1 hour. PC-12 cells were treated by Nocodazole (1 µg/mL) at 37°C for 16 hours or treated by ATP(5 mM) at 30°C for 1 hour.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.