

AP0063

Leader in Biomolecular Solutions for Life Science



# Phospho-MEK1-S298 Rabbit pAb

Catalog No.: AP0063

3 Publications

## Basic Information

### Observed MW

43kDa

### Calculated MW

43kDa

### Category

Polyclonal Antibody

### Applications

WB,IP,ELISA

### 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

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts  
of whole cells

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

## Immunogen Information

### Gene ID

5604

### Swiss Prot

Q02750

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

MEL; CFC3; MEK1; MKK1; MAPKK1; PRKMK1; Phospho-MEK1-S298

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

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

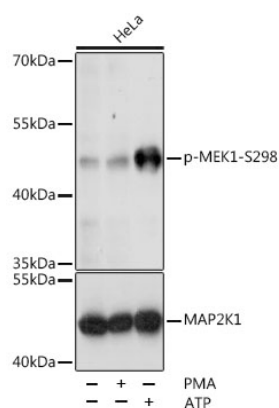
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data



Western blot analysis of various lysates using Phospho-MEK1-S298 Rabbit pAb (AP0063) at 1:1000 dilution or MEK1 antibody (A12687). HeLa cells were treated with PMA/TPA (200 nM) at 37°C for 15 minutes after serum-starvation overnight or treated with ATP(5 mM) at 30°C for 1 hour.

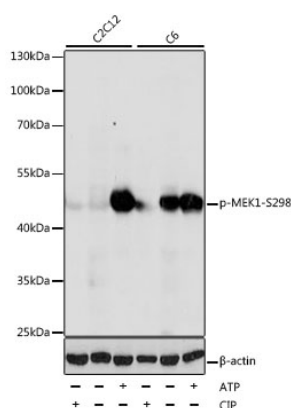
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of various lysates using Phospho-MEK1-S298 Rabbit pAb (AP0063) at 1:1000 dilution. C2C12 cells were treated with CIP(20uL/400ul) at 37°C for 1 hour or treated with ATP(5 mM) at 30°C for 1 hour. C6 cells were treated with CIP(20uL/400ul) at 37°C for 1 hour or treated with ATP(5 mM) at 30°C for 1 hour.

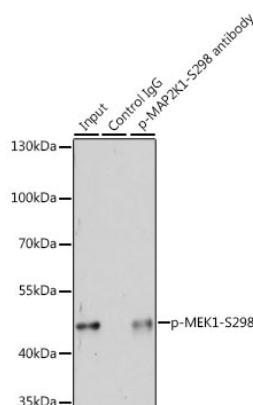
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Immunoprecipitation analysis of 200 µg extracts of 293T cells, using 3 µg Phospho-MEK1-S298 pAb (AP0063). Western blot was performed from the immunoprecipitate using Phospho-MEK1-S298 pAb (AP0063) at a dilution of 1:1000. 293T cells were treated with PMA/TPA (200 nM) at 37°C for 30 minutes after serum-starvation overnight.