# Phospho-MEK1-S298 Rabbit mAb

Catalog No.: AP1020 Recombinant



## **Basic Information**

### **Observed MW**

45kDa

### **Calculated MW**

43kDa

### Category

Primary antibody

### **Applications**

WB,ELISA

### **Cross-Reactivity**

Human, Rat

### CloneNo number

ARC1565

## **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 1:1000 - 1:2000

**ELISA** 

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

requirements.

## Immunogen Information

**Gene ID**Swiss Prot
5604
Q02750

### **Immunogen**

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

### **Synonyms**

MEL; Phospho-MEK1-S298

### **Contact**

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### **Product Information**

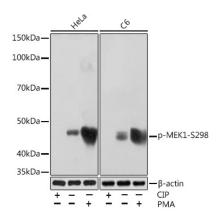
SourceIsotypePurificationRabbitIgGAffinity purification

### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## **Validation Data**



Western blot analysis of various lysates using Phospho-MEK1-S298 Rabbit mAb (AP1020) at 1:1000 dilution. Both HeLa cells and C6 cells were treated with CIP(20uL/400ul) at  $37^{\circ}$ C for 1 hour or treated with PMA (200 nM) at  $37^{\circ}$ C for 30 minutes after serum-starvation overnight.

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

Lysates/proteins:  $25\mu g$  per lane. Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020). Exposure time: 1min.