

# Phospho-MEK1-T292 Rabbit mAb

Catalog No.: AP1021 **Recombinant** **8 Publications**

## Basic Information

**Observed MW**

45kDa

**Calculated MW**

43kDa

**Category**

Primary antibody

**Applications**

WB, ELISA

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC1566

## 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**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-T292

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

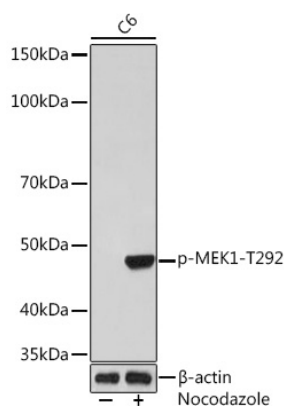
Affinity purification

**Storage**

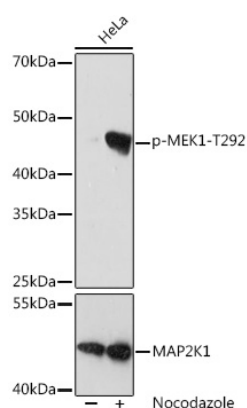
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of lysates from C6 cells, using Phospho-MEK1-T292 Rabbit mAb (AP1021) at 1:1000 dilution. C6 cells were treated with Nocodazole (50 ng/mL) at 37°C for 20 hours.  
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: 1min.



Western blot analysis of lysates from HeLa cells, using Phospho-MEK1-T292 Rabbit mAb (A12687). HeLa cells were treated with nocodazole (50 ng/mL) at 37°C for 20 hours.  
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 Enhanced Kit (RM00021).  
Exposure time: 3min.