

AP1021

Leader in Biomolecular Solutions for Life Science



# Phospho-MEK1-T292 Rabbit mAb

Catalog No.: AP1021 **Recombinant** **5 Publications**

## Basic Information

### Observed MW

45kDa

### Calculated MW

43kDa

### Category

SMab Recombinant Monoclonal 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

## Immunogen Information

### Gene ID

5604

### Swiss Prot

Q02750

### Immunogen

A synthetic phosphorylated peptide around T292 of human Phospho-MEK1-T292 (Q02750).

### Synonyms

MEL; CFC3; MEK1; MKK1; MAPKK1; PRKMK1; Phospho-MEK1-T292

## Contact



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

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

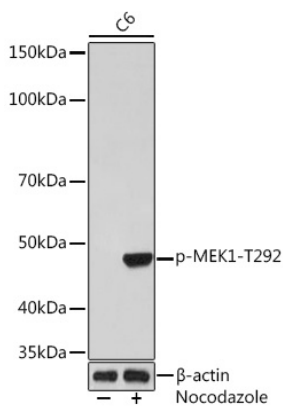
Affinity purification

### Storage

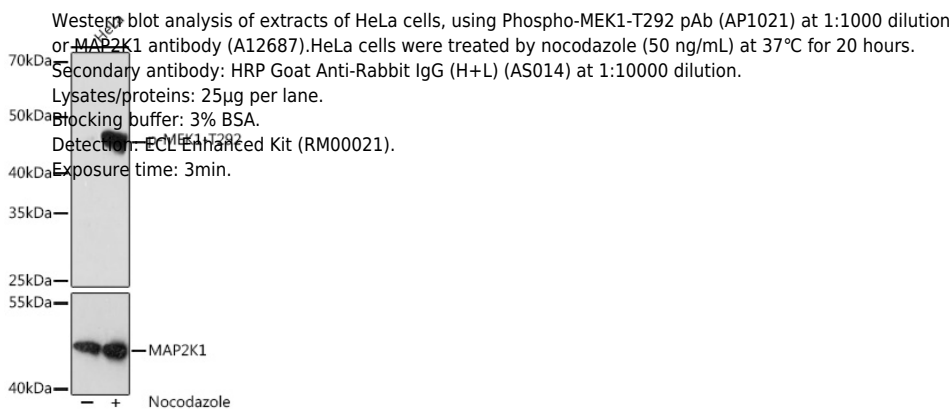
Store at -20°C. Avoid freeze / thaw cycles.

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

## Validation Data



Western blot analysis of extracts of C6 cells, using Phospho-MEK1-T292 Rabbit mAb (AP1021) at 1:1000 dilution. C6 cells were treated by Nocodazole (50 ng/mL) at 37°C for 20 hours.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% BSA.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1min.



Western blot analysis of extracts of HeLa cells, using Phospho-MEK1-T292 pAb (AP1021) at 1:1000 dilution or MAP2K1 antibody (A12687). HeLa cells were treated by nocodazole (50 ng/mL) at 37°C for 20 hours.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% BSA.  
Detection: ECL Enhanced Kit (RM00021).  
Exposure time: 3min.