

Phospho-MEK1-T292 Rabbit mAb

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

Basic Information

Observed MW

45 kDa

Calculated MW

43 kDa

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

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

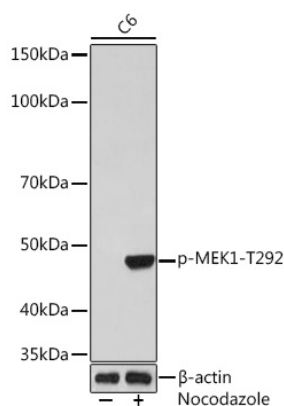
Affinity purification

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 lysates from C6 cells, using Phospho-MEK1-T292 Rabbit mAb (AP1021) at 1:1000 dilution incubated overnight at 4°C. C6 cells were treated with Nocodazole (50 ng/mL) at 37°C for 20 hours.

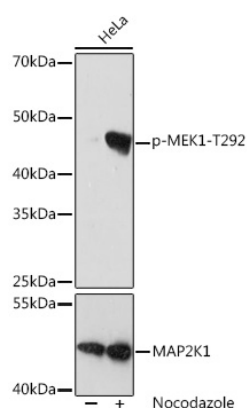
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60 s.



Western blot analysis of lysates from HeLa cells, using Phospho-MEK1-T292 Rabbit mAb (AP1021) at 1:1000 dilution incubated overnight at 4°C. HeLa cells were treated with nocodazole (50 ng/mL) at 37°C for 20 hours.

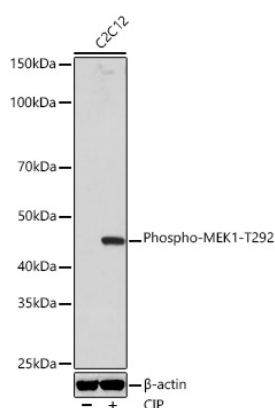
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

Blocking buffer: 3% BSA.

Detection: ECL Enhanced Kit (RM00021).

Exposure time: 180 s.



Western blot analysis of lysates from C2C12 cells using Phospho-MEK1-T292 Rabbit mAb (AP1021) at 1:1000 dilution incubated overnight at 4°C. C2C12 cells treated with CIP (1 U/ul) at 37°C for 1 hour.

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

Lysates/proteins: 30 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

Exposure time: 180 s.