AP0063

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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

Immunogen Information

Gene ID
5604

Swiss Prot
Q02750

Immunogen
A synthetic phosphorylated peptide around S298 of human MEK1 (NP_002746.1).

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

Contact

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Product Information

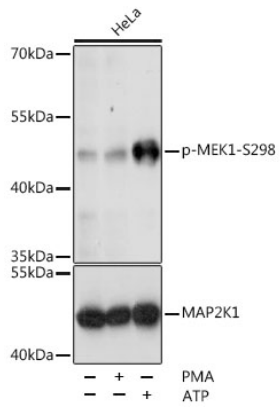
Source
Rabbit

Isotype
IgG

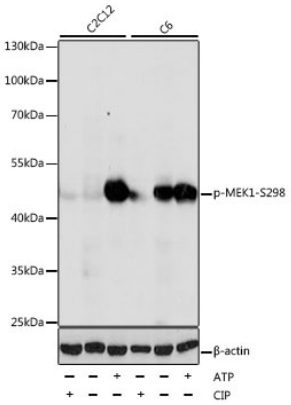
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

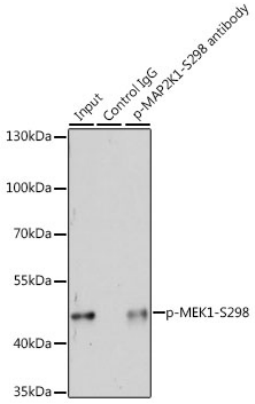
Validation Data



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 by PMA/TPA (200 nM) at 37℃ for 15 minutes after serum-starvation overnight or treated by ATP(5 mM) at 30℃ for 1 hour.
Secondary antibody: HRP 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 by CIP(20uL/400ul) at 37℃ for 1 hour or treated by ATP(5 mM) at 30℃ for 1 hour. C6 cells were treated by CIP(20uL/400ul) at 37℃ for 1 hour or treated by ATP(5 mM) at 30℃ for 1 hour.
Secondary antibody: HRP 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 by PMA/TPA (200 nM) at 37℃ for 30 minutes after serum-starvation overnight.