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Phospho-MAP2K4-S257 Rabbit pAb

Catalog No.: AP0068

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Basic Information

Observed MW
44kDa

Calculated MW
44kDa

Category
Polyclonal Antibodies

Applications
WB, ELISA

Cross Reactivity
Human, Mouse, Rat

Background

This gene encodes a member of the mitogen-activated protein kinase (MAPK) family. Members of this family act as an integration point for multiple biochemical signals and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation, and development. They form a three-tiered signaling module composed of MAPKKKs, MAPKKs, and MAPKs. This protein is phosphorylated at serine and threonine residues by MAPKKKs and subsequently phosphorylates downstream MAPK targets at threonine and tyrosine residues. A similar protein in mouse has been reported to play a role in liver organogenesis. A pseudogene of this gene is located on the long arm of chromosome X. Alternative splicing results in multiple transcript variants.

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
6416

Swiss-Prot
P45985

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

Synonyms
JNKK; MEK4; MKK4; SEK1; SKK1; JNKK1; SERK1; MAPKK4; PRKMK4; SAPKK1; SAPKK-1; Phospho-MAP2K4-S257

Contact

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Product Information

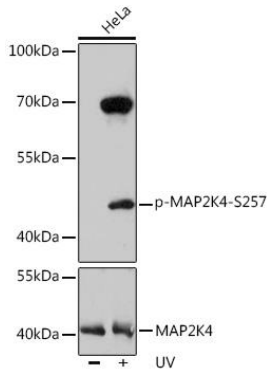
Source
Rabbit

Isotype
IgG

Purity
Affinity purification

Storage
Store at -20℃
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of lysates from HeLa cells using Phospho-MAP2K4-S257 Rabbit pAb (AP0068) incubated overnight at 4℃. HeLa cells were treated with UV at room temperature for 15-30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.

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