

# Phospho-MAP2K1-S217/MAP2K2-S221 Rabbit pAb

Catalog No.: AP0209

14 Publications

## Basic Information

**Observed MW**

44kDa

**Calculated MW**

40kDa/43kDa/44kDa

**Category**

Primary antibody

**Applications**

WB, 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. [provided by RefSeq, Jul 2008]

## Recommended Dilutions

**WB** 1:2000 - 1:7000**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**

5604/5605

**Swiss Prot**

Q02750/P36507

**Immunogen**

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

**Synonyms**

MEK1/MEK2; Phospho-MAP2K1-S217/MAP2K2-S221

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

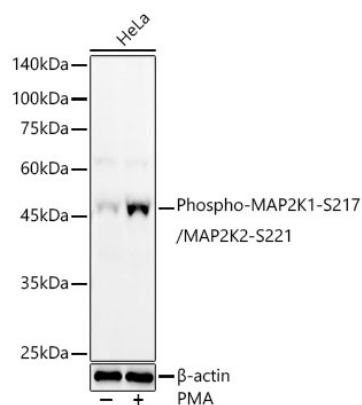
Affinity purification

**Storage**

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

Buffer: PBS 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-MAP2K1-S217/MAP2K2-S221 Rabbit pAb (AP0209) at 1:6000 dilution. HeLa cells were treated with PMA (200 nM) at 37°C for 15 minutes after serum-starvation overnight.

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 Enhanced Kit (RM00021).

Exposure time: 90s.