

Phospho-MEK2-T394 Rabbit pAb

Catalog No.: AP0121 **2 Publications**

Basic Information

Observed MW

44kDa

Calculated MW

44kDa

Category

Primary antibody

Applications

WB, IF/ICC

Cross-Reactivity

Human

Background

The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is known to play a critical role in mitogen growth factor signal transduction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinases. Mutations in this gene cause cardiofaciocutaneous syndrome (CFC syndrome), a disease characterized by heart defects, cognitive disability, and distinctive facial features similar to those found in Noonan syndrome. The inhibition or degradation of this kinase is also found to be involved in the pathogenesis of Yersinia and anthrax. A pseudogene, which is located on chromosome 7, has been identified for this gene.

Recommended Dilutions

WB 1:500 - 1:2000**IF/ICC** 1:100 - 1:200

Immunogen Information

Gene ID

5605

Swiss Prot

P36507

Immunogen

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

Synonyms

CFC4; MEK2; MKK2; MAPKK2; PRKMK2; Phospho-MEK2-T394

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

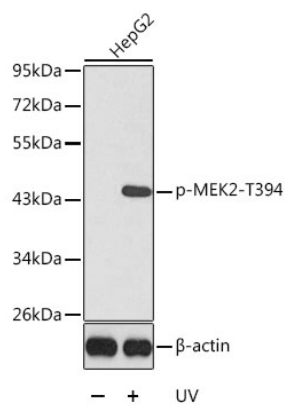
Affinity purification

Storage

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

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

Validation Data



Western blot analysis of lysates from HepG2 cells using Phospho-MEK2-T394 Rabbit pAb (AP0121).
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.