

MEK2 (Phospho-Thr394) Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 43008

Format: 100ul at 1.0mg/ml in PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Affinity-purified on phosphopeptide; non-phosphopeptide-reactive antibodies were removed by chromatography on non-phosphorylated peptide.

BACKGROUND

MEK2 is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase plays an important role in mitogen growth factor signal transduction. It phosphorylates and activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on Ser/Thr phosphorylation by MAP kinase kinase kinases. The inhibition or degradation of this kinase is also found to be involved in the pathogenesis of Yersinia and anthrax.

SPECIFICATION SUMMARY

Antigen: Peptide sequence that includes phosphorylation site of threonine (P-G-T(p)-P-T) derived from human MEK2 and conjugated to KLH.

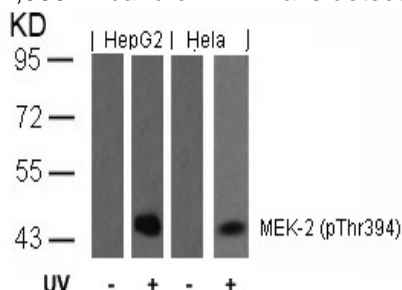
Accession no.: P36507, NP_109587.1

Host Species: Rabbit

Specificity: This antibody detects endogenous human MEK2 only when phosphorylated at threonine 394.

APPLICATIONS

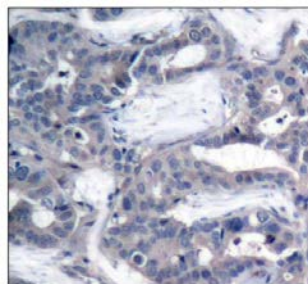
Western blotting: use at dilution of 1:500-1:1,000. A band of ~44kDa is detected.



Detection of MEK2 (phospho-Thr394) in HepG2 and HeLa cell extracts untreated or treated with UV.

These are recommended working dilutions. Enduser should determine optimal dilutions for their applications.

Immunohistochemistry: use at dilution of 1:50-1:100.



Detection of MEK2 (phospho-Thr394) in paraffin-embedded human breast carcinoma tissue.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Can be stored at 4°C for short-term.

For in vitro investigational use only. Not intended for therapeutic or diagnostic applications.