Product Datasheet

Phospho-MEK1 (S298) Antibody

Catalog No: CY5854 Reactivity: Human Mouse Rat

Isotype: Rabbit IgG Applications: WB IHC ICC/IF

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Information

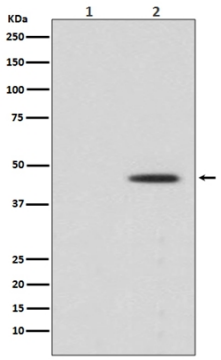
UniProt ID: Q02750
All Names: Dual specificity mitogen-activated protein kinase kinase 1; MAP kinase kinase 1; MAPKK 1; MKK1; ERK activator kinase 1; MAPK/ERK kinase 1; MEK 1; MAP2K1; MEK-1; PRKMK1;
Form: Liquid
Storage instructions: Store at +4˚ C short term. Store at -20˚ C long term. Avoid freeze / thaw cycle.
Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity: Affinity-chromatography
Immunogen: A synthesized peptide
Molecular Wt.: 45 kDa

Application

WB 1:1000~1:2000
IHC 1:50~1:200
ICC/IF 1:50~1:200

Background

MEK1 and MEK2, also called MAPK or Erk kinases, are dual-specificity protein kinases that function in a mitogen activated protein kinase cascade controlling cell growth and differentiation (1-3). Activation of MEK1 and MEK2 occurs through phosphorylation of two serine residues at positions 217 and 221, located in the activation loop of subdomain VIII, by Raf-like molecules. Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates ERK1 and ERK2 MAP kinases.



Western blot analysis of Phospho-MEK1 (S298) expression in (1) HeLa cell treated with LP lysate; (2) HeLa cell lysate.