MAP2K1 Recombinant Antibody

RACO0276

Product Information

Size:

50ul

Reactivity:

Human, Rat

Source:

Homo sapiens (Human)

Isotype:

Rabbit IgG

Applications:

ELISA, WB, IHC, IP

Recommended dilutions:

WB:1:500-1:5000, IHC:1:50-1:200, IP:1:200-1:1000

Protein Background:

Dual specificity protein kinase which acts as an essential component of the MAP kinase signal transduction pathway. Binding of extracellular ligands such as growth factors, cytokines and hormones to their cell-surface receptors activates RAS and this initiates RAF1 activation. RAF1 then further activates the dual-specificity protein kinases MAP2K1/MEK1 and MAP2K2/MEK2. Both MAP2K1/MEK1 and MAP2K2/MEK2 function specifically in the MAPK/ERK cascade, and catalyze the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in the extracellular signal-regulated kinases MAPK3/ERK1 and MAPK1/ERK2, leading to their activation and further transduction of the signal within the MAPK/ERK cascade.

Gene ID:

MAP2K1

Uniprot

Q02750

Synonyms:

Dual specificity mitogen-activated protein kinase kinase 1 (MAP kinase kinase 1) (MAPKK 1) (MKK1) (EC 2.7.12.2) (ERK activator kinase 1) (MAPK/ERK kinase 1) (MEK 1), MAP2K1, MEK1 PRKMK1

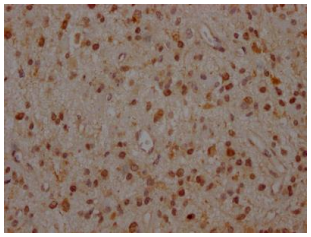
Immunogen:

A synthesized peptide derived from human MEK1.

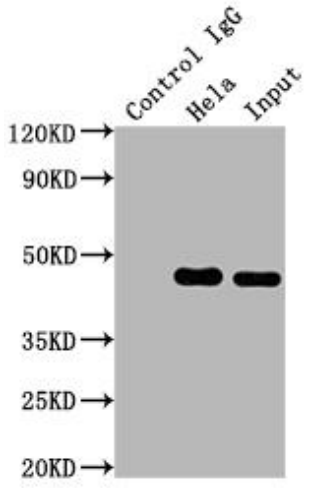
Storage:

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

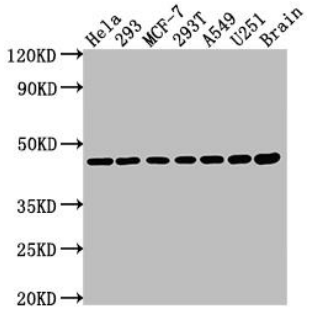
Product Images



IHC image of RACO0276 diluted at 1:100 and staining in paraffin-embedded human glioma cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



Immunoprecipitating MAP2K1 in Hela whole cell lysate) Lane 1: Rabbit control IgG instead of RACO0276 in Hela whole cell lysate)
For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)
Lane 2: RACO0276(2µg)+ Hela whole cell lysate)(500µg)
Lane 3: Hela whole cell lysate) (10µg)



Western Blot
Positive WB detected in(Hela whole cell lysate) 293 whole cell lysate) MCF-7 whole cell lysate) 293T whole cell lysate) A549 whole cell lysate) U251 whole cell lysate) Rat brain tissue
All lanes: MAP2K1 antibody at 1:2000
Secondary
Goat polyclonal to rabbit IgG at 1:50000 dilution
Predicted band size: 44, 41 kDa
Observed band size: 44 kDa