

MEK1(Phospho-Thr291) Antibody

Catalog No: #11294

Package Size: #11294-1 50ul #11294-2 100ul #11294-4 25ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

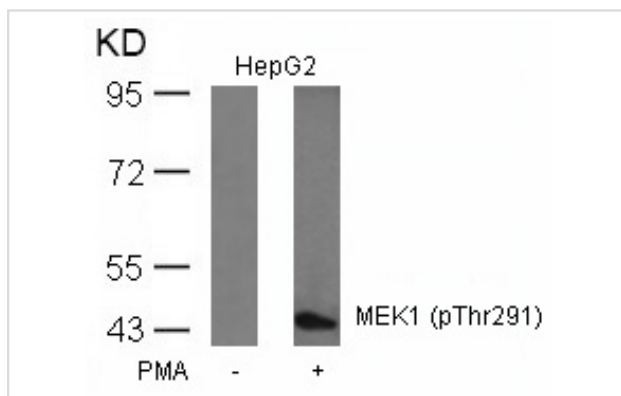
Product Name	MEK1(Phospho-Thr291) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of MEK1 only when phosphorylated at threonine 291.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 291 (P-R-T(p)-P-G derived from Human MEK1.
Target Name	MEK1
Modification	Phospho-Thr291
Other Names	ERK activator kinase 1; MAP kinase kinase 1; MAP2K1; MAPK/ERK kinase 1; MAPKK 1
Accession No.	Swiss-Prot: Q02750NCBI Protein: NP_002746.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 45kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HepG2 cells untreated or treated with PMA using MEK1(Phospho-Thr291) Antibody #11294.

Background

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.

Kevin D. Burroughs, et.al. (2003) *Mol. Cancer Res* ; 1: 312.

Michael J. Piatelli, et.al. (2002) *J. Biol. Chem* ; 277: 12144 - 12150.

Margaret M. Morgan, et.al. (2001) *J. Immunol* ; 167: 5708.

Herbert Schramek, et.al. (2003) *Am J Physiol Cell Physiol* ; 285: C652 - C661.

Published Papers

Akira Ikari, Kosuke Atomi, Keishi Kinjo et al., Magnesium deprivation inhibits a MEK^BCERK cascade and cell proliferation in renal epithelial Madin-Darby canine kidney cells., *Life Sciences*, 86:766B-C773(2010)

[PMID:20338184](#)

Hanqian Xu, Gan Zhao, Xiaoxi Huang et al., CD40-expressing plasmid induces anti-CD40 antibody and enhances immune responses to DNA vaccination., *The Journal of Gene Medicine*., 12(1)97-106(2010)

[PMID:19950201](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.