# MEK1(Phospho-Thr291) Antibody

Catalog No: #11294



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

## Overview

Product Name	MEK1(Phospho-Thr291) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	MEK1
Modification	Phospho-Thr291
Alternative Names	ERK activator kinase 1; MAP kinase kinase 1; MAP2K1; MAPK/ERK kinase 1; MAPKK 1

### **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.

### Descriptions

Immunogen	Peptide sequence around phosphorylation site of threonine 291 (P-R-T(p)-P-G derived from Human MEK1.
Specificity	The antibody detects endogenous level of MEK1 only when phosphorylated at threonine 291.
Purifiction	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 chromatogramphy using non-phosphopeptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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.
Accession NO.	Swiss-Prot: Q02750NCBI Protein: NP_002746.1

# **Related Information**

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 el at., Magnesium deprivation inhibits a MEKB"CERK 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 el at., 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.