



MEK1 (Phospho-Thr291) Antibody

#11294

Catalog Number: 11294-1, 11294-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : Q02750

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from Human MEK1 around the phosphorylation site of threonine 291 (P-R-T^P-P-G).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

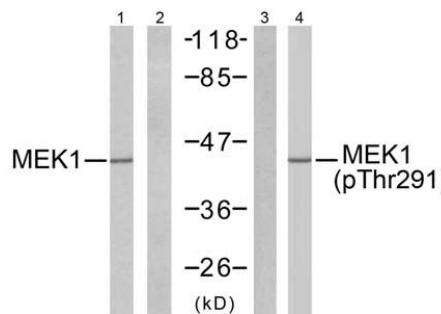
Specificity/Sensitivity: MEK1 (phospho-Thr291) antibody detects endogenous levels of MEK1 only when phosphorylated at threonine 291.

Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 45kd

WB: 1:500~1:1000



Western blot analysis of extracts from 293 cells untreated or treated with 10% serum, using MEK1 (Ab-291) antibody (#21286, Line 1 and 2) and MEK1 (phospho-Thr291) antibody (#11294, Line 3 and 4).

Serum	-	-	-	+
Peptide	-	+	-	-

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.

References:

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.