MEK1(Ab-291) Antibody

#21286

Catalog Number: 21286-1, 21286-2

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℃/1 year

Immunogen: The antiserum was produced against synthesized non-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 immunogen.

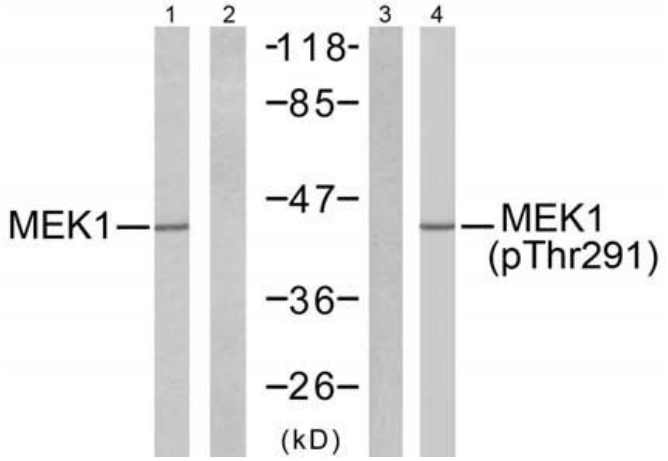
Specificity/Sensitivity:MEK1 (Ab-291) antibody detects endogenous levels of total MEK1 protein

Reactivity: Human,Mouse,Rat

Applications:

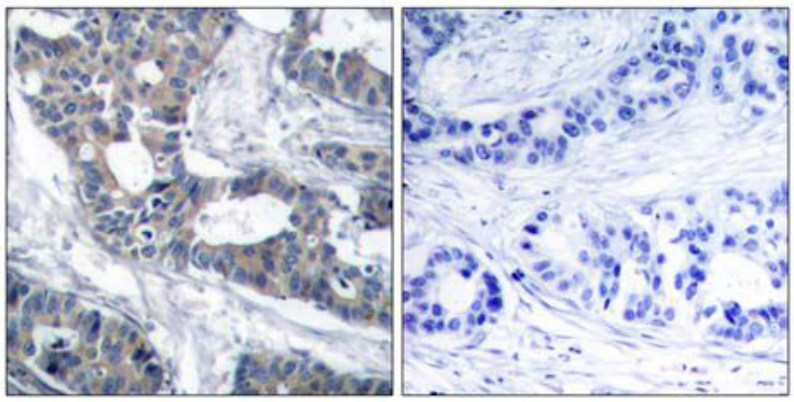
Predicted MW: 45kd

WB: 1:500~1:1000 IHC: 1:50~1:100



Serum	-	-	-	+
Peptide	-	+	-	-

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).



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MEK1 (Ab-291) antibody (#21286).

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.