Product Datasheet

MAP2K7 (Phospho-Thr275) Antibody

Catalog No: #11743

Package Size: #11743-1 50ul #11743-2 100ul

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

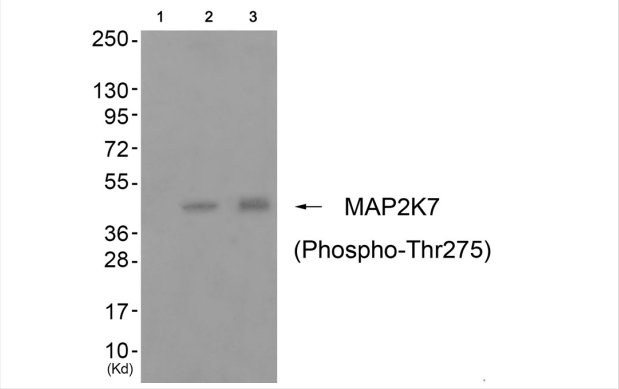
Description

Product Name	MAP2K7 (Phospho-Thr275) 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 chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of MAP2K7 only when phosphorylated at threonine 275.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 275(A-K-T(p)-R-S) derived from Human MAP2K7.
Target Name	MAP2K7
Modification	Phospho
Other Names	PRKMK7; JNKK2; MKK7; MAP2K7; MP2K7
Accession No.	Swiss-Prot#: O14733; NCBI Gene#: 5609; NCBI Protein#: NP_660186.1.
SDS-PAGE MW	43kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG 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/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from cos-7 cells (Lane 2) and 3T3 cells (Lane 3), using MAP2K7 (Phospho-Thr275) Antibody #11743. The lane on the left is treated with antigen-specific peptide.

Background

The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase specifically activates MAPK8/JNK1 and MAPK9/JNK2, and this kinase itself is phosphorylated and activated by MAP kinase kinase kinases including MAP3K1/MEKK1, MAP3K2/MEKK2,MAP3K3/MEKK5, and MAP4K2/GCK. This kinase is involved in the signal transduction mediating the cell responses to proinflammatory cytokines, and environmental stresses. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found, but only one transcript variant has been supported and defined.

Wu Z.,Mol. Cell. Biol. 17:7407-7416(1997).

Lu X.,J. Biol. Chem. 272:24751-24754(1997).

The MGC Project Team;Genome Res. 14:2121-2127(2004).

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