Datasheet for ABIN7138822

anti-MAP2K7 antibody (pThr275)

1 Image

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Overview

Quantity:	100 µL
Target:	MAP2K7
Binding Specificity:	pThr275
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP2K7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of threonine 275(A-K-T(p)-R-S) derived from Human MAP2K7.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
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 usi

Target Details

Target:	MAP2K7
Alternative Name:	MAP2K7 (MAP2K7 Products)

Target Details

Background:	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). Aliases: c-Jun N-terminal kinase kinase 2 antibody, Dual specificity mitogen activated protein kinase kinase 7 antibody, Dual specificity mitogen-activated protein kinase kinase 7 antibody, JNK activating kinase 2 antibody, JNK kinase 2 antibody, JNK-activating kinase 2 antibody, JNKK 2 antibody, Jnkk-2 antibody, Jnkk2 antibody, MAP kinase kinase 7 antibody, MAP2K7 antibody, MAPK/ERK kinase 7 antibody, MAPKK 7 antibody, MAPKK-7 antibody, MAPKK7 antibody, MEK 7 antibody, Mitogen Activated Protein Kinase kinase 7 antibody, MKK 7 antibody, MKK-7 antibody, MKK7 antibody, MP2K7_HUMAN antibody, PRKMK 7 antibody, PRKMK-7 antibody, PRKMK7 antibody, SAPK kinase 4 antibody, SAPKK-4 antibody, SAPKK4 antibody, Sek 2 antibody, Sek-2 antibody, Sek2 antibody, SKK4 antibody, stress-activated protein kinase kinase 4 antibody
UniProt:	O14733
Pathways:	MAPK Signaling, TLR Signaling, Fc-epsilon Receptor Signaling Pathway, Activation of Innate immune Response, Toll-Like Receptors Cascades, BCR Signaling

Application Details

Application Notes:	WB:1:500-1:1000,
Restrictions:	For Research Use only

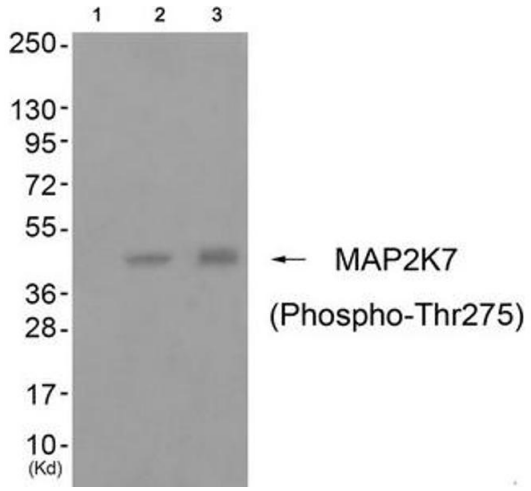
Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl,

Handling

	0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

Image 1. Western blot analysis of extracts from cos-7 cells (Lane 2) and 3T3 cells (Lane 3), using MAP2K7 (Phospho-Thr275) Antibody. The lane on the left is treated with antigen-specific peptide.