

Datasheet for ABIN7138807

anti-MAP2K3 antibody (pThr222)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µL
Target:	MAP2K3
Binding Specificity:	pThr222
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP2K3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of threonine 222(A-K-T(p)-M-D) derived from Human MAP2K3 .
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 chromatography using

Target Details

Target:	MAP2K3
Alternative Name:	MAP2K3 (MAP2K3 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 is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. Derijard B., Science 267:682-685(1995). Moriguchi T., J. Biol. Chem. 271:26981-26988(1996). The MGC Project Team, Genome Res. 14:2121-2127(2004). Aliases: AW212142 antibody, dual specificity mitogen activated protein kinase kinase 3 antibody, Dual specificity mitogen-activated protein kinase kinase 3 antibody, MAP kinase kinase 3 antibody, map2k3 antibody, MAPK ERK kinase 3 antibody, MAPK/ERK kinase 3 antibody, MAPKK 3 antibody, MAPKK3 antibody, MEK 3 antibody, MEK3 antibody, Mitogen activated protein kinase kinase 3 antibody, MKK 3 antibody, MKK3 antibody, mMKK3b antibody, MP2K3_HUMAN antibody, PRKMK 3 antibody, PRKMK3 antibody, protein kinase, mitogen-activated, kinase 3 antibody, SAPK kinase 2 antibody, SAPKK 2 antibody, SAPKK2 antibody, Stress activated protein kinase kinase 2 antibody
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UniProt:	P46734
Pathways:	MAPK Signaling , TLR Signaling , Activation of Innate immune Response , Toll-Like Receptors Cascades , Autophagy , Signaling Events mediated by VEGFR1 and VEGFR2

Application Details

Application Notes:	WB:1:500-1:1000, IHC:1:50-1:100,
Restrictions:	For Research Use only

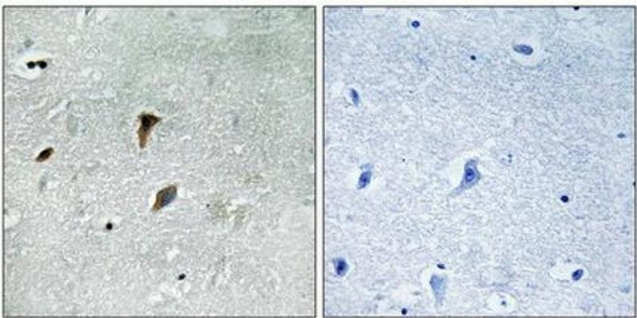
Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide

Handling

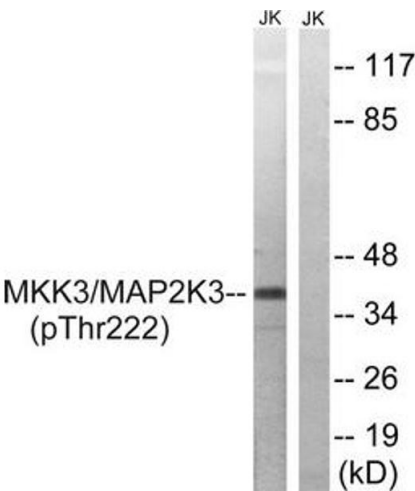
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human brain tissue using MAP2K3 (Phospho-Thr222) antibody (left) or the same antibody preincubated with blocking peptide (right).



Western Blotting

Image 2. Western blot analysis of extracts from Jurkat cells treated with serum using MAP2K3 (Phospho-Thr222) Antibody. The lane on the right is treated with the antigen-specific peptide.