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Datasheet for ABIN7180049

anti-MKNK1 antibody (Thr385)

2 Images

Overview

Quantity:	100 µL
Target:	MKNK1
Binding Specificity:	Thr385
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MKNK1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Synthesized non-phosphopeptide derived from Human Mnk1 around the phosphorylation site of threonine 385 (L-P-T(p)-P-Q).
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	MKNK1
Alternative Name:	MKNK1 (MKNK1 Products)

Target Details

Background: Background: May play a role in the response to environmental stress and cytokines. Appears to regulate translation by phosphorylating EIF4E, thus increasing the affinity of this protein for the 7-methylguanosine-containing mRNA cap.

Fukunaga R., EMBO J. 16:1921-1933(1997).

Knauf U., Mol. Cell. Biol. 21:5500-5511(2001).

O'Loghlen A., Exp. Cell Res. 299:343-355(2004).

Aliases: MAP kinase interacting kinase 1 antibody, MAP kinase interacting serine/threonine kinase 1 antibody, MAP kinase signal integrating kinase 1 antibody, MAP kinase signal-integrating kinase 1 antibody, MAP kinase-interacting serine/threonine-protein kinase 1 antibody, MAPK signal integrating kinase 1 antibody, MITOGEN-ACTIVATED PROTEIN KINASE-INTERACTING SERINE/THREONINE KINASE 1 antibody, mknk1 antibody, MKNK1_HUMAN antibody, MNK 1 antibody, Mnk1 antibody

UniProt: [Q9BUB5](#)

Pathways: [MAPK Signaling](#), [Cellular Response to Molecule of Bacterial Origin](#), [Hepatitis C](#), [Protein targeting to Nucleus](#), [Toll-Like Receptors Cascades](#), [Signaling of Hepatocyte Growth Factor Receptor](#)

Application Details

Application Notes: WB:1:500-1:3000,

Restrictions: For Research Use only

Handling

Format: Liquid

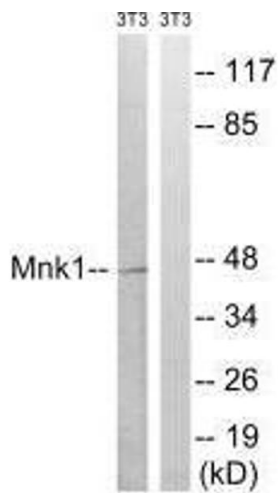
Buffer: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

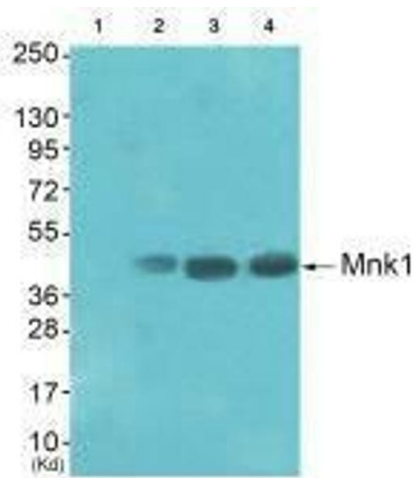
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western blot analysis of extracts from 3T3 cells, treated with PMA (125 ng/mL, 30 mins), using Mnk1 (Ab-385) antibody.



Western Blotting

Image 2. Western blot analysis of extracts from HepG2 cells (Lane 2), K562 cells (Lane 3) and Jurket cells (Lane 4), using Mnk1 (Ab-385) antibody. The lane on the left is treated with synthesized peptide.