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Datasheet for ABIN391226

## anti-MKKNK1 antibody (N-Term)

### 1 Image

#### Overview

Quantity:	400 µL
Target:	MKKNK1
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MKKNK1 antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	This MKKNK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human MKKNK1.
Clone:	RB8561
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

#### Target Details

Target:	MKKNK1
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## Target Details

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Alternative Name: MKNK1 ([MKNK1 Products](#))

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Background: MKNK1 encodes a predicted 424-amino acid protein containing a sequence typical of the catalytic domain of serine/threonine kinases and a putative N-terminal nuclear localization signal sequence. C-terminal region of MKNK1 was phosphorylated and activated in vivo and in vitro by ERK1 and p38 MAP kinases, but not by JNK/SAPK. The activated ERK is essential for the activation of MKNK1 in insect cells. MKNK1 was activated following stimulation of HeLa cells with a variety of extracellular stimuli. MKNK1 binds tightly to the growth factor-regulated MAP kinases, Erk1 and Erk2, and also binds strongly to the stress-activated kinase, p38.

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Molecular Weight: 51342

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Gene ID: 8569

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NCBI Accession: [NP\\_001129025](#), [NP\\_003675](#), [NP\\_945324](#)

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UniProt: [Q9BUB5](#)

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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](#)

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## Application Details

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Application Notes: WB: 1:1000

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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Preservative: Sodium azide

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

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Storage: 4 °C, -20 °C

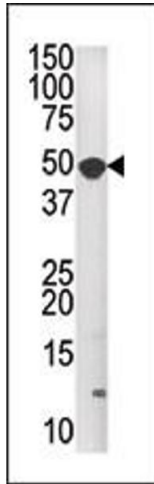
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Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

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Expiry Date: 6 months

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### Western Blotting

**Image 1.** The anti-MKKN1 Pab (ABIN391226 and ABIN2841299) is used in Western blot to detect MKKN1 in tissue lysate