

Datasheet for ABIN2788414
anti-MKNK1 antibody (N-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	MKNK1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Horse, Dog, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MKNK1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human MKNK1
Sequence:	CQGNKNILEL IEFFEDDTRF YLVFEKLQGG SILAHIQKQK HFNEREASRV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 92%, Horse: 86%, Human: 100%, Mouse: 93%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against MKNK1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	MKNK1
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Target Details

Alternative Name:	MKNK1 (MKNK1 Products)
Background:	<p>MKNK1 may play a role in the response to environmental stress and cytokines. It appears to regulate transcription by phosphorylating EIF4E, thus increasing the affinity of this protein for the 7-methylguanosine-containing mRNA cap.</p> <p>Alias Symbols: MNK1</p> <p>Protein Interaction Partner: MAPK11, MAPK14, TNIP2, RCN3, HIPK2, HGS, APP, SPRY2, ATXN3, PHAX, DDAH2, EIF4G3, UBE2D1, DNAJC7, PRKDC, HSP90AB1, CREBBP, MKNK1, EIF4G2, PLA2G4A, EIF4G1, PAK2, MAPK3, MAPK1, MBP, EIF4E, FANCA,</p> <p>Protein Size: 465</p>
Molecular Weight:	51 kDa
Gene ID:	8569
NCBI Accession:	NM_003684 , NP_003675
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:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 465 AA
Restrictions:	For Research Use only

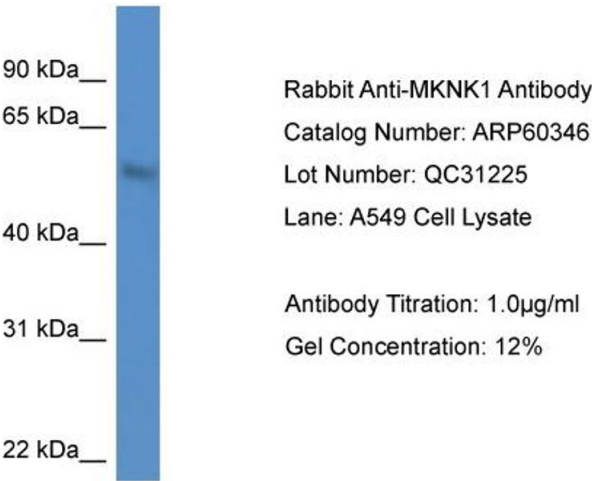
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

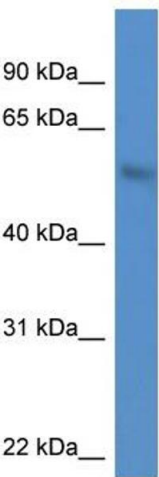
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1.



Western Blotting

Image 2. WB Suggested Anti-MKNK1 Antibody Titration: 1.0 µg/mL

Positive Control: A549 Whole Cell

MKNK1 is supported by BioGPS gene expression data to be expressed in A549