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anti-MKNK2 antibody (N-Term)



Image



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Target:

Quantity:	400 μL
Target:	MKNK2
Binding Specificity:	AA 70-100, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MKNK2 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	This MNK2 (MKNK2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 70-100 amino acids from the N-terminal region of human MNK2 (MKNK2).
Clone:	RB5445
Isotype:	lg Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Target Details	

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MKNK2

Target Details

Alternative Name:	MNK2 (MKNK2) (MKNK2 Products)
Background:	MAP kinase-interacting kinase 1 (Mnk1) and Mnk2, members of the Ser/Thr protein kinase
	family, bind tightly to the growth factor-regulated MAP kinases, Erk1 and Erk2. Erk and p38
	phosphorylate MNK1 and Mnk2, which stimulates their in vitro kinase activity toward a
	substrate, eukaryotic initiation factor-4E (eIF-4E). Overexpression of Mnk2 results in increased
	phosphorylation of endogenous eIF-4E, showing that it can act as an eIF-4E kinase in vivo.
	Mnk2 may play a role in the response to environmental stress and cytokines. This ubiquitiously
	expressed protein appears to regulate transcription by phosphorylating eIF-4E, thus increasing
	the affinity of this protein for the 7-methylguanosine-containing mRNA cap. Expression of
	active mutants of MNK1 and MNK2 in 293 cells diminishes cap-dependent translation relative
	to cap-independent translation in a transient reporter assay. Human Mnk2 is homologous to
	murine Mnk2 (approximately 94 % identical) and human Mnk1 (71 % identical). In vitro
	phosphorylation studies show that Mnk2 is a significantly better substrate than Mnk1 for
	extracellular signal-regulated kinase 2 (Erk2), p38MAPKalpha, and p38MAPKbeta. Mnk2 has
	also been shown to interact with the C-terminal regions of eIF-4G1 and eIF-4G2.
Molecular Weight:	51875
Gene ID:	2872
NCBI Accession:	NP_060042, NP_951009
UniProt:	Q9HBH9
Pathways:	MAPK Signaling
Application Details	
Application Notes:	WB: 1:1000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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

Storage:	4 °C,-20 °C
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.
Expiry Date:	6 months
Images	

250 100 75 50 37 25 20

Western Blotting

Image 1. The anti-MKNK2 Pab (ABIN391072 and ABIN2841219) is used in Western blot to detect MKNK2 in mouse lung tissue lysate.