

For Research Use Only

# MNK1 Polyclonal antibody

Catalog Number: 10136-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 10136-1-AP	<b>GenBank Accession Number:</b> BC002755	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 800 µg/ml	<b>GeneID (NCBI):</b> 8569	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BUB5	
<b>Isotype:</b> IgG	<b>Full Name:</b> MAP kinase interacting serine/threonine kinase 1	
<b>Immunogen Catalog Number:</b> AG0184	<b>Calculated MW:</b> 51 kDa	
	<b>Observed MW:</b> 51 kDa, 47 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> HeLa cells, HEK-293 cells, HepG2 cells, HL-60 cells, mouse small intestine tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IF/ICC :</b> HepG2 cells,
<b>Cited Species:</b> human, mouse	

## Background Information

MNK1 (mitogen-activated protein kinase-interacting kinase 1) was discovered as a consequence of bacterial expression libraries screening for proteins regulated by the classical mitogen-activated protein kinases, the ERKs (extracellular signal-regulated kinases). Phosphorylation of Mnk1 has been shown to activate its kinase activity as well as to enhance its binding to the eukaryotic initiation factor 4G (eIF4G) which functions as a scaffolding protein. Human MNK1 arises from an alternatively spliced transcript giving rise to 2 isoforms, longer MNK1a (50 kDa) and a shorter MNK1b variant (38 kDa) that lacks 89 C-terminal amino acids (PMID: 21406405).

## Notable Publications

Author	Pubmed ID	Journal	Application
Qian Zhao	32156008	Int J Mol Sci	WB
Van-Hoai Bui	38444006	Chem Biol Drug Des	WB
Feifei Qin	30957641	J Enzyme Inhib Med Chem	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

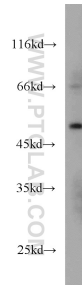
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

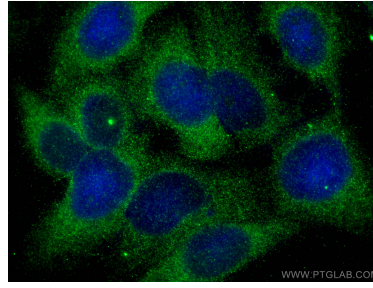
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## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 10136-1-AP (MNK1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using MNK1 antibody (10136-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).