

For Research Use Only

# Phospho-MNK1 (Thr250/255) Recombinant antibody



Catalog Number: 81398-1-RR

## Basic Information

<b>Catalog Number:</b> 81398-1-RR	<b>GenBank Accession Number:</b> BC002755	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8569	<b>CloneNo.:</b> 4P9
<b>Source:</b> Rabbit	<b>Full Name:</b> MAP kinase interacting serine/threonine kinase 1	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 51 kDa	
	<b>Observed MW:</b> 51 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293T cells, λ phosphatase treated HEK-293T cells
<b>Species Specificity:</b> Human	

## Background Information

MNK1/MKMK1 (MAPK Interacting Serine/Threonine Kinase 1) is a Ser/Thr protein kinase that interacts with, and is activated by ERK1 and p38 mitogen-activated protein kinases, and thus may play a role in the response to environmental stress and cytokines. MNK1 regulates diverse biologic processes including translation, cell proliferation, and differentiation through phosphorylation of different substrates (PMID: 29045529). Through phosphorylation MNK1 regulates the function of eukaryotic translation initiation factor 4E (eIF4E), a key player in translational control, whose expression is mostly upregulated in cancer patients.

## 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

\*\*\* 20ul sizes contain 0.1% BSA

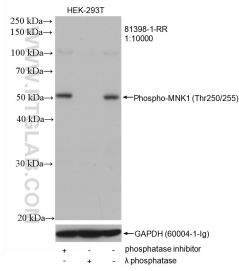
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## Selected Validation Data



Non-treated HEK-293T cells, phosphatase inhibitor and  $\lambda$  phosphatase treated HEK-293T cells were subjected to SDS PAGE followed by western blot with 81398-1-RR (Phospho-MNK1 (Thr250/255) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.