

For Research Use Only

# Phospho-MNK1 (Thr250/255) Recombinant antibody

Catalog Number: 81398-1-RR

Featured Product



## Basic Information

Catalog Number:

81398-1-RR

Size:

100ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC002755

GeneID (NCBI):

8569

UNIPROT ID:

Q9BUB5

Full Name:

MAP kinase interacting serine/threonine kinase 1

Calculated MW:

51 kDa

Observed MW:

51 kDa

Purification Method:

Protein A purification

CloneNo.:

4P9

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : HEK-293T cells, HEK-293 cells, λ phosphatase treated HEK-293T cells

## Background Information

MNK1/MKNK1 (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

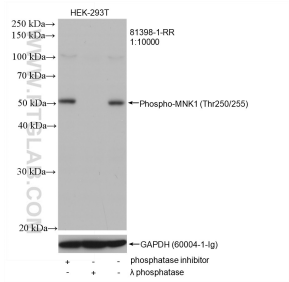
For technical support and original validation data for this product please contact:

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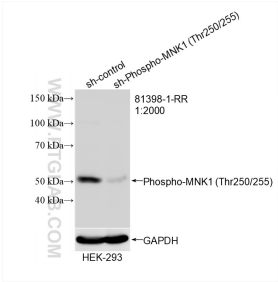
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Selected Validation Data



Non-treated HEK-293T cells, phosphatase inhibitor and λ 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.



WB result of Phospho-MNK1 (Thr250/255) antibody (81398-1-RR; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Phospho-MNK1 (Thr250/255) transfected HEK-293 cells.