

For Research Use Only

# Phospho-MNK1 (Thr250/255) Recombinant antibody, PBS Only



Catalog Number: 81398-1-PBS

## Basic Information

Catalog Number:

81398-1-PBS

Size:

1mg/ml

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

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

Human

## 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 -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

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

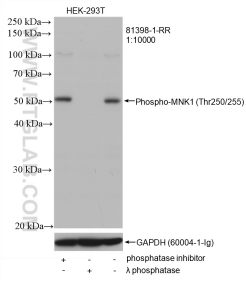
T: 4006900926

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

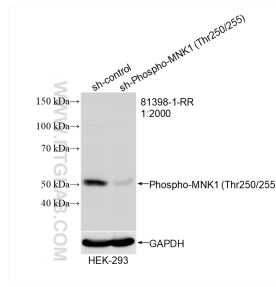
W: [ptgcn.com](http://ptgcn.com)

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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-blotting with GAPDH antibody as loading control. This data was developed using the same antibody clone with 81398-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 81398-1-PBS in a different storage buffer formulation.