

# Phospho-MNK1 (Thr250/255)

## Recombinant antibody

Catalog Number: 81398-1-RR

Featured Product

### Basic Information

**Catalog Number:**

81398-1-RR

**Size:**

500 µg/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

**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

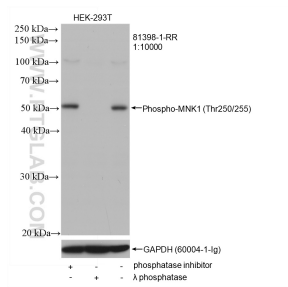
For technical support and original validation data for this product please contact:

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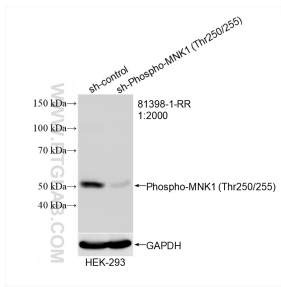
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## Selected Validation Data



Non-treated HEK-293T cells, phosphatase inhibitor and  $\lambda$  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.



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.