For Research Use Only

## Phospho-MKK7 (Ser271/Thr275) Recombinant antibody



Catalog Number:80357-1-RR

1 Publications

**Basic Information** 

Catalog Number: 80357-1-RR

Size: 250 µg/ml Source: Rabbit

Isotype: IgG GenBank Accession Number: BC038295

GeneID (NCBI): 5609 UNIPROT ID: 014733

mitogen-activated protein kinase kinase 7

Calculated MW: 47 kDa Observed MW: 47-52 kDa

Full Name:

Purification Method:

Protein A purification CloneNo.:

Recommended Dilutions: WB 1:2000-1:10000

**Applications** 

Tested Applications: WB, ELISA

Cited Applications:

WB

Species Specificity: Human, mouse Cited Species: mouse Positive Controls:

WB: HeLa cells, NIH/3T3 cells, Calyculin A treated HeLa cells, Calyculin A treated NIH/3T3 cells

## **Background Information**

Dual specificity mitogen-activated protein kinase kinase 7 (MKK7), also known as MEK7 or MAP2K7, is a member of mitogen-activated kinase kinase (MAP2K) subfamily, and a key activator of c-Jun N-terminal kinase (JNK) signaling, a pathway that regulates primarily stress and inflammatory responses. MKK7 activity can be increased by either MKK7-autophosphorylation or phosphorylation of the Ser and Thr residues of the S-X-A-K-T motifs in the Kinase domain by upstream MEKK1, MEKK2, or MLK3.(PMID: 32783966, PMID: 31579105)

## **Notable Publications**

Author	Pubmed ID	Journal	Application
Kun Zhang	38001521	Mil Med Res	WB

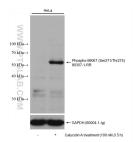
Storage

Storage: Store at -20°C.

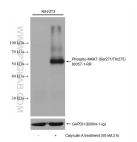
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## **Selected Validation Data**



Non-treated and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 80357-1-RR (Phospho-MKK7 (Ser271/Thr275) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



Non-treated and Calyculin A treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 80357-1-RR (Phospho-MKK7 (Ser271/Thr275) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.