

For Research Use Only

# Phospho-MKK7 (Ser271/Thr275) Monoclonal antibody



Catalog Number: 68050-1-Ig

## Basic Information

Catalog Number:

68050-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG3

GenBank Accession Number:

BC038295

GeneID (NCBI):

5609

UNIPROT ID:

O14733

Full Name:

mitogen-activated protein kinase  
kinase 7

Calculated MW:

47 kDa

Observed MW:

47-52 kDa

Purification Method:

Protein A purification

CloneNo.:

1B4B5

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB: λ phosphatase treated HeLa cells, HEK-293 cells,  
Calyculin A treated HeLa cells, Calyculin A treated  
HEK-293 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)

## Storage

Storage:

Store at -20°C.

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:

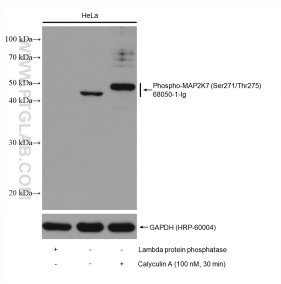
T: 4006900926

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 and Calyculin A treated,  $\lambda$  phosphatase treated HeLa cells were subjected to SDS PAGE followed by western blot with 68050-1-Ig (Phospho-MKK7 (Ser271/Thr275) 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.