

For Research Use Only

Phospho-MKK7 (Ser271/Thr275) Recombinant antibody

Catalog Number: 80357-1-RR

2 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:

O14733

Full Name:

mitogen-activated protein kinase
kinase 7

Calculated MW:

47 kDa

Observed MW:

47-52 kDa

Purification Method:

Protein A purification

CloneNo.:

5E9

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 MEK1, MEK2, or MLK3.(PMID: 32783966, PMID: 31579105)

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------|-----------|---------------------|-------------|
| Xin Liu | 39128188 | Biomed Pharmacother | |
| Kun Zhang | 38001521 | Mil Med Res | WB |

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:

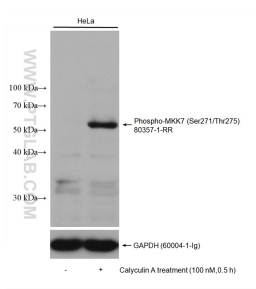
T: 4006900926

E: Proteintech-CN@ptglab.com

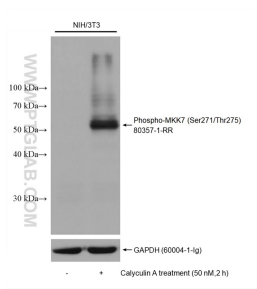
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Selected Validation Data



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.