

For Research Use Only

Phospho-MKK7 (Ser271/Thr275) Polyclonal antibody

Catalog Number: 29199-1-AP



Basic Information

Catalog Number:

29199-1-AP

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:

Antigen affinity purification

Recommended Dilutions:

WB: 1:2000-1:16000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

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

Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide, 50% glycerol, and 0.05% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

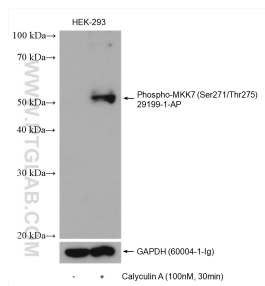
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Selected Validation Data



Non-treated and Calyculin A treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 29199-1-AP (Phospho-MKK7 (Ser271/Thr275) antibody) at dilution of 1:8000 incubated at room temperature for 1 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.