For Research Use Only

Phospho-MKK7 (Ser271/Thr275) Polyclonal antibody

Catalog Number:29199-1-AP

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Basic Information

Catalog Number:
29199-1-AP

Size:
100ul , Concentration: 260 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC038295

GeneID (NCBI):
5609

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 MEKK1, MEKK2, or MLK3.(PMID: 32783966, PMID: 31579105)

Storage

Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide, 50% glycerol pH 7.3 and 0.05% BSA
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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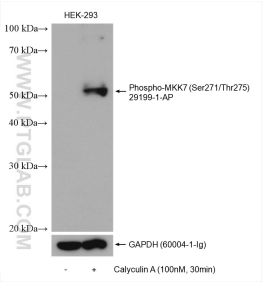
Selected Validation Data



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.