For Research Use Only

Phospho-MKK7 (Ser271/Thr275) Recombinant antibody, PBS Only

Catalog Number:80357-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
80357-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human, mouse

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 -80°C.
Storage Buffer:
PBS Only

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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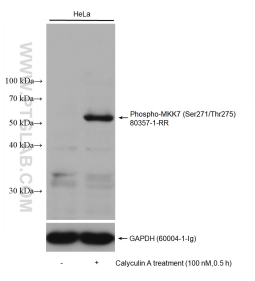
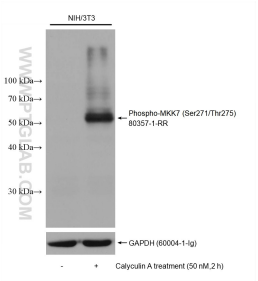
Selected Validation Data



Non-treated and Calyculin A treated 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. This data was developed using the same antibody clone with 80357-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 80357-1-PBS in a different storage buffer formulation.