

For Research Use Only

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



Catalog Number: 68050-1-PBS

Basic Information

Catalog Number: 68050-1-PBS	GenBank Accession Number: BC038295	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5609	CloneNo.: 1B4B5
Source: Mouse	UNIPROT ID: O14733	
Isotype: IgG3	Full Name: mitogen-activated protein kinase kinase 7	
	Calculated MW: 47 kDa	
	Observed MW: 47-52 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human

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

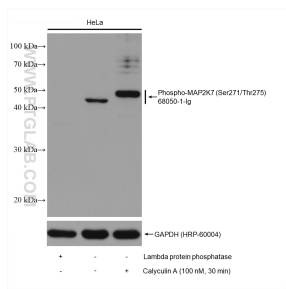
Storage:
Store at -80°C.

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)
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Selected Validation Data



Non-treated and Calyculin A treated, λ 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. This data was developed using the same antibody clone with 68050-1-PBS in a different storage buffer formulation.