

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: 1 mg/ml	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.  
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:  
PBS Only

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

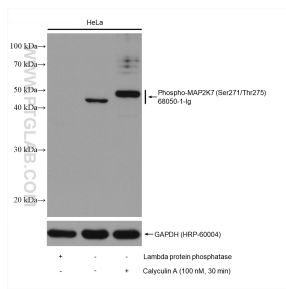
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Non-treated and Calyculin A treated,  $\lambda$  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.