

For Research Use Only

Phospho-MSK1 (Ser376) Recombinant monoclonal antibody, PBS Only

Catalog Number:87619-1-PBS



Basic Information

Catalog Number:

87619-1-PBS

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC017187

GeneID (NCBI):

9252

UNIPROT ID:

O75582

Full Name:

ribosomal protein S6 kinase, 90kDa, polypeptide 5

Calculated MW:

549aa,62 kDa; 802aa,90 kDa

Observed MW:

90 kDa

Purification Method:

Protein A purification

CloneNo.:

252671D9

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

Mitogen- and stress-activated kinase 1 (MSK1) is a protein kinase that plays a crucial role in the regulation of gene expression in response to various stimuli, including mitogens, stress, and inflammatory signals. ERK1/2 or p38 MAPK activate MSK1 by phosphorylating Thr581 and Ser360; this primes the C-terminal domain, which then autophosphorylates Ser376 (and Ser212) to unlock the N-terminal catalytic site. (PMID: 15568999)

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, pH7.3

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

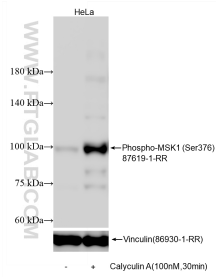
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E: Proteintech-CN@ptglab.com

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Non-treated HeLa cells and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 87619-1-RR (Phospho-MSK1 (Ser376) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Vinculin (86930-1-RR) antibody as a loading control. This data was developed using the same antibody clone with 87619-1-PBS in a different storage buffer formulation.