

For Research Use Only

# Phospho-MSK1 (Ser376) Recombinant monoclonal antibody

Catalog Number: 87619-1-RR



## Basic Information

Catalog Number:

87619-1-RR

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

Recommended Dilutions:

WB: 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: Calyculin A treated HeLa cells, PMA treated HEK-293T cells

## 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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

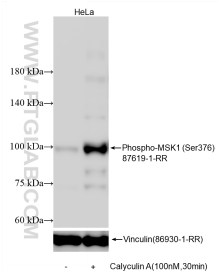
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## Selected Validation Data



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.