

For Research Use Only

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

Catalog Number:87619-1-PBS



## Basic Information

**Catalog Number:**

87619-1-PBS

**Size:**

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

**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.

**Storage Buffer:**

PBS only, pH7.3

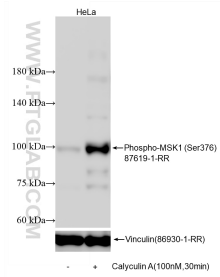
For technical support and original validation data for this product please contact:

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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. This data was developed using the same antibody clone with 87619-1-PBS in a different storage buffer formulation.