

For Research Use Only

# Phospho-MOBKL1B (Thr12) Polyclonal antibody



Catalog Number: 29027-1-AP

## Basic Information

<b>Catalog Number:</b> 29027-1-AP	<b>GenBank Accession Number:</b> BC003398	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 55233	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> MOB1, Mps One Binder kinase activator-like 1B (yeast)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 216 aa, 25 kDa	
	<b>Observed MW:</b> 25 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : PC-12 cells, λ phosphatase treated PC-12 cells
<b>Species Specificity:</b> Human, Rat	

## Background Information

MOBKL1B, also known as MOB1B, belongs to the MOB1/phocein family. MOBKL1B binds to and regulate downstream targets such as the NDR-family protein kinases and LATS1 kinase. MOB1 protein is a key regulator of large tumor suppressor 1/2 (LATS1/2) kinases in the Hippo pathway. MOBKL1A and MOBKL1B are phosphorylated by MST1/MST2 kinases at Thr35 and Thr12, and MST1/MST2-catalyzed phosphorylation of MOBKL1A/MOBKL1B in intact cells is sufficient to substantially retard cell-cycle progression (PMID: 18328708).

## Storage

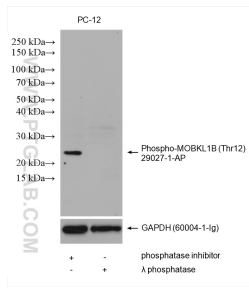
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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) E: proteintech@ptglab.com W: ptglab.com

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

## Selected Validation Data



Phosphatase inhibitor treated and  $\lambda$  phosphatase treated PC-12 cells were subjected to SDS PAGE followed by western blot with 29027-1-AP (Phospho-MOBKL1B (Thr12) antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.