

For Research Use Only

Phospho-MOBKL1B (Thr12) Polyclonal antibody

Catalog Number: 29027-1-AP

1 Publications



Basic Information

Catalog Number:

29027-1-AP

Size:

100ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC003398

GeneID (NCBI):

55233

UNIPROT ID:

Q9H859

Full Name:

MOB1, Mps One Binder kinase activator-like 1B (yeast)

Calculated MW:

216 aa, 25 kDa

Observed MW:

25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, rat

Cited Species:

human, mouse

Positive Controls:

WB : PC-12 cells, λ phosphatase treated PC-12 cells

IF/ICC : λ phosphatase treated U2OS cells,

Background Information

MOBK1B, also known as MOB1B, belongs to the MOB1/phocein family. MOB1B 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).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------|-----------|----------------|-------------|
| Jiamei Wu | 38372068 | J Cell Physiol | WB |

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

*** 20ul sizes contain 0.1% BSA

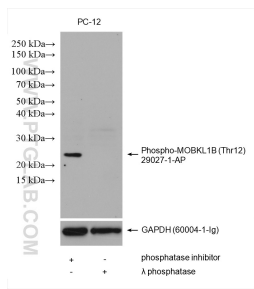
For technical support and original validation data for this product please contact:

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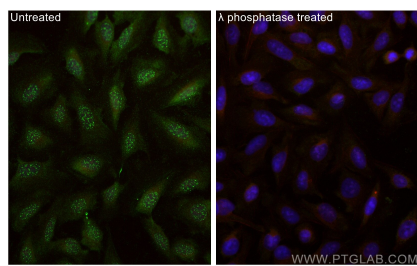
E: proteintech@ptglab.com
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Selected Validation Data



Phosphatase inhibitor treated and λ 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.



Immunofluorescent analysis of (-20°C Ethanol) fixed λ phosphatase treated U2OS cells using Phospho-MOBKL1B (Thr12) antibody (29027-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).