

For Research Use Only

Phospho-MOBKL1B (Thr12) Polyclonal antibody, PBS Only

Catalog Number: 29027-1-PBS



Basic Information

Catalog Number:

29027-1-PBS

Concentration:

1 mg/ml

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

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

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 -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:

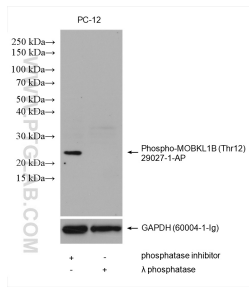
T: 4006900926

E: Proteintech-CN@ptglab.com

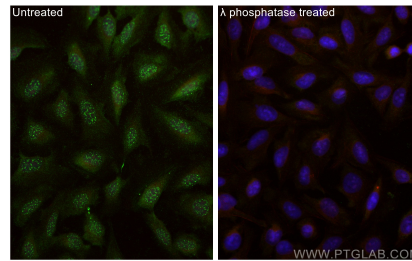
W: ptgcn.com

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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. This data was developed using the same antibody clone with 29027-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 29027-1-PBS in a different storage buffer formulation.