For Research Use Only

Phospho-MOBKL1B (Thr12) Polyclonal antibody

Catalog Number:29027-1-AP 1 Publications

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Basic Information

Catalog Number:
29027-1-AP

Size:
500 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC003398

GeneID (NCBI):
55233

UNIPROT ID:
Q9H8S9

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

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB

Species Specificity:
Human, Rat

Cited Species:
human, mouse

Positive Controls:

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

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).

Notable Publications

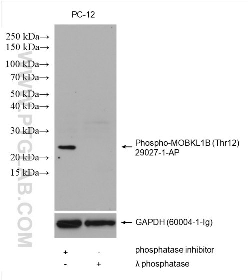
Author	Pubmed ID	Journal	Application
Jiamei Wu	38372068	J Cell Physiol	WB

Storage

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

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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.