

Phospho-MOB1A/MOB1B-T35 Rabbit mAb

Catalog No.: AP1646 **Recombinant**

Basic Information

Observed MW

24 kDa

Calculated MW

17 kDa/25 kDa

Category

Primary antibody

Applications

WB, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC3836

Background

The protein encoded by this gene is a component of the Hippo signaling pathway, which controls organ size and tumor growth by enhancing apoptosis. Loss of the encoded protein results in cell proliferation and cancer formation. The encoded protein is also involved in the control of microtubule stability during cytokinesis. Several transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB 1:3000 - 1:25000

IHC-P 1:100 - 1:400

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

55233/92597

Swiss Prot

Q9H8S9/Q7L9L4

Immunogen

This information is considered to be commercially sensitive.

Synonyms

C2orf6; MABKL1B; MATS1; MOB1; MOBK1B; MOBKL1B; Mob4B; MATS2; MOB4A; MOBKL1A

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

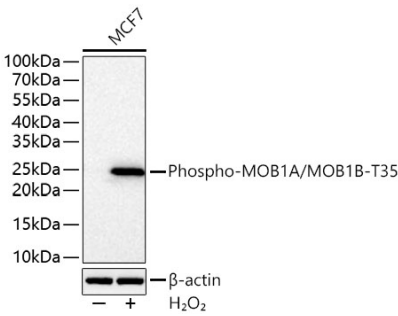
Contact

☎ | 400-999-6126

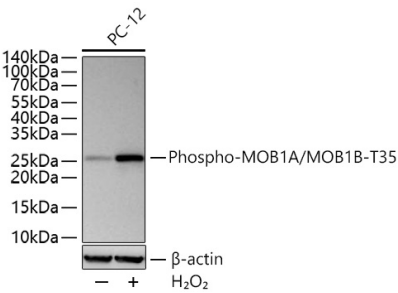
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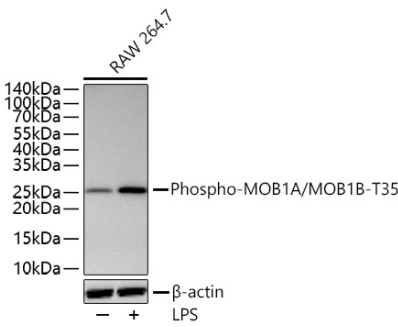
Validation Data



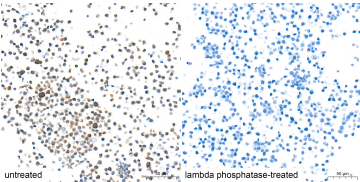
Western blot analysis of lysates from MCF7 cells using Phospho-MOB1A/MOB1B-T35 Rabbit mAb (AP1646) at 1:12000 dilution incubated overnight at 4°C. MCF7 cells were treated with H₂O₂ (1 mM) at 37°C for 15 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20 s.



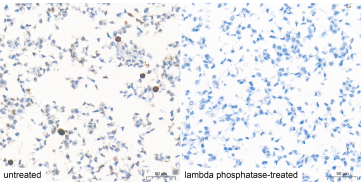
Western blot analysis of lysates from PC-12 cells using Phospho-MOB1A/MOB1B-T35 Rabbit mAb (AP1646) at 1:9000 dilution incubated overnight at 4°C. PC-12 cells were treated with H₂O₂ (2.5 mM) at 37°C for 30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.



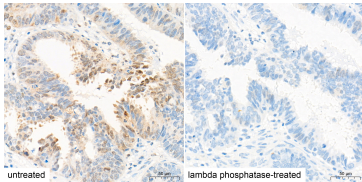
Western blot analysis of lysates from RAW 264.7 cells using Phospho-MOB1A/MOB1B-T35 Rabbit mAb (AP1646) at 1:9000 dilution incubated overnight at 4°C. RAW 264.7 cells were treated with LPS (1 µg/mL) at 37°C for 16 hours after serum starvation for 8 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.



Immunohistochemistry analysis of paraffin-embedded RAW 264.7 cells, untreated (left) and lambda phosphatase-treated (right), using Phospho-MOB1A/MOB1B-T35 Rabbit mAb (AP1646) at a dilution of 1:400 (40x



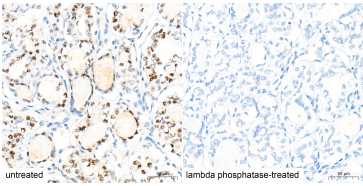
Immunohistochemistry analysis of paraffin-embedded PC-12 cells, untreated (left) and lambda phosphatase-treated (right), using Phospho-MOB1A/MOB1B-T35 Rabbit mAb (AP1646) at a dilution of 1:400 (40x lens).



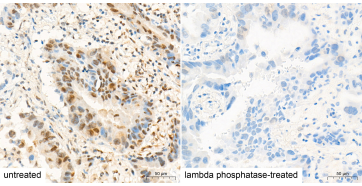
Immunohistochemistry analysis of paraffin-embedded Human oophoroma tissue, untreated (left) and lambda phosphatase-treated (right), using Phospho-MOB1A/MOB1B-T35 Rabbit mAb (AP1646) at

Validation Data

lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



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a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue, untreated (left) and lambda phosphatase-treated (right), using Phospho-MOB1A/MOB1B-T35 Rabbit mAb (AP1646) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue, untreated (left) and lambda phosphatase-treated (right), using Phospho-MOB1A/MOB1B-T35 Rabbit mAb (AP1646) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.