

Anti-MOB4A Antibody (C-term)

Catalog Number: A09405-3

About MOB1B

MOB4A is similar to the yeast Mob1 protein. Yeast Mob1 binds Mps1p, a protein kinase essential for spindle pole body duplication and mitotic checkpoint regulation. Mob4A regulates NDR1 and NDR2 kinase activity, widely expressed nuclear serine-threonine kinases that have been implicated in cell proliferation and/or tumor progression.

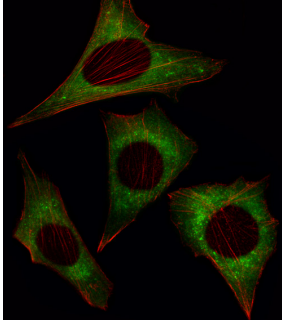
Overview

Product Name	Anti-MOB4A Antibody (C-term)
Reactive Species	Human, Mouse
Description	Boster Bio Anti-MOB4A Antibody (C-term) (Catalog # A09405-3). Tested in WB, IHC-P, IF application(s). This antibody reacts with Human, Mouse.
Application	IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q7L9L4

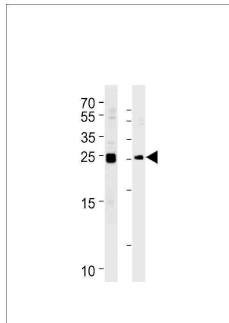
Technical Details

Immunogen	This MOB4A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 177-206 amino acids from the C-terminal region of human MOB4A.
Predicted Reactive Species	Rat
Isotype	Rabbit IgG
Purification	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Suggested Dilutions	IF: 1:10-1:50 WB: 1:1000 IHC-P: 1:10-1:50

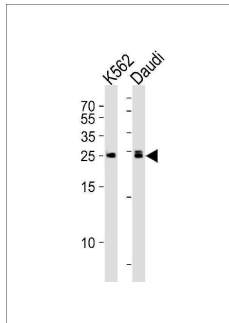
Anti-MOB4A Antibody (C-term) (A09405-3) Images



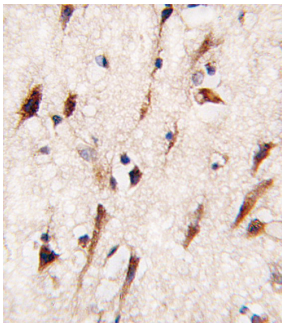
Fluorescent image of NIH/3T3 cell stained with MOB4A Antibody (C-term). NIH/3T3 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with MOB4A primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/ml, 1 h at 37°C). MOB4A immunoreactivity is localized to Cytoplasm significantly.



MOB4A Antibody (C-term) western blot analysis in Daudi, K562 cell line lysates (35ug/lane). This demonstrates the MOB4A antibody detected the MOB4A protein (arrow).



Western blot analysis of lysates from K562, Daudi cell line (from left to right), using MOB4A Antibody (C-term). A09405-3 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



Formalin-fixed and paraffin-embedded human brain tissue reacted with MOB4A antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

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