

Rabbit anti-Human MOB kinase activator 1B Polyclonal Antibody | anti-MOB1B antibody

Rabbit anti-human MOB kinase activator 1B polyclonal Antibody

CATALOG # AAA230494	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

MOB kinase activator 1B; Polyclonal Antibody; Rabbit anti-human MOB kinase activator 1B polyclonal Antibody; Mob1 homolog 1A; Mob1B; Mps one binder kinase activator-like 1A; MOB4A; MOBKL1A; MOB1B; anti-MOB1B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	221
Applicable Applications for anti-MOB1B antibody	WB (Western Blot), ELISA
Immunogen	Recombinant human MOB kinase activator 1B protein(2-216AA)
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-130175
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitating MOB1B in K562 whole cell lysate Lane 1: Rabbit control IgG (1ug) instead of AAA230494 in K562 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: AAA230494 (6ug) + K562 whole cell lysate (500ug) Lane 3: K562 whole cell lysate (10ug)



IF (Immunofluorescence)

Immunofluorescence staining of NIH/3T3 cells with AAA230494 at 1:400, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).

ADDITIONAL INFORMATION

Related Product Information for anti-MOB1B antibody	Activator of LATS1/2 in the Hippo signaling pathway which plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein STK3/MST2 and STK4/MST1, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Phosphorylation of YAP1 by LATS1/2 inhibits its translocation into the nucleus to regulate cellular genes important for cell proliferation, cell death, and cell migration. Stimulates the kinase activity of STK38L. This protein is similar to the yeast Mob1 protein. Yeast Mob1 binds Mps1p, a protein kinase essential for spindle pole body duplication and mitotic checkpoint regulation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	348041379
NCBI GeneID	92597
NCBI Accession #	NP_001231695.1
NCBI GenBank Nucleotide #	NM_001244766.1
UniProt Accession #	Q7L9L4; Q8IY23; B2R8U6; B4DRY3
Molecular Weight	25,499 Da
NCBI Official Full Name	MOB kinase activator 1B isoform 1
NCBI Official Synonym Full Names	MOB kinase activator 1B
NCBI Official Symbol	MOB1B
NCBI Official Synonym Symbols	MATS2; MOB4A; MOBKL1A
NCBI Protein Information	MOB kinase activator 1B
UniProt Protein Name	MOB kinase activator 1B
UniProt Gene Name	MOB1B
UniProt Synonym Gene Names	MOB4A; MOBKL1A; Mob1A
UniProt Entry Name	MOB1B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mob-kinase-activator-1b-antibody-western-blot-elisa/230494>