

Rabbit anti-Human MOB kinase activator 1A Polyclonal Antibody | anti-MOB1A antibody

Rabbit anti-human MOB kinase activator 1A polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA230011	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

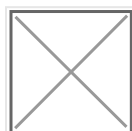
PRODUCT SYNONYMS

MOB kinase activator 1A; Polyclonal Antibody; Rabbit anti-human MOB kinase activator 1A polyclonal Antibody; Mob1 alpha; Mob1 homolog 1B; Mps one binder kinase activator-like 1B; C2orf6; MOB4B; MOBK1B; MOBKL1B; MOB1A; anti-MOB1A antibody

PRODUCT SPECIFICATIONS

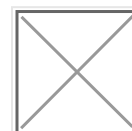
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	216
Applicable Applications for anti-MOB1A antibody	IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human MOB kinase activator 1A protein (2-216AA).
Species	Homo sapiens (Human)
Research Area	Signal Transduction
Target Names	MOB1A
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-161867
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

IMAGES



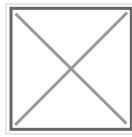
IP (Immunoprecipitation)

Immunoprecipitating MOB1A in Jurkat whole cell lysate Lane 1: Rabbit control IgG instead of AAA230011 in Jurkat whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: AAA230011 (5ug) + Jurkat whole cell lysate (500ug) Lane 3: Jurkat whole cell lysate (20ug)



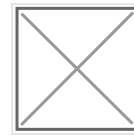
IF (Immunofluorescence)

Immunofluorescence staining of HepG2 cells with AAA230011 at 1:333, 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°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



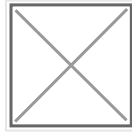
IHC (Immunohistochemistry)

IHC image of AAA230011 diluted at 1:1000 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: K562 whole cell lysate, Jurkat whole cell lysateAll lanes: MOB1A antibody at 3.3ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 26, 17 kDaObserved band size: 26 kDa



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human small intestine tissue using AAA230011 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-MOB1A 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 STK38 and STK38L. Acts cooperatively with STK3/MST2 to activate STK38.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148747437
NCBI GeneID	55233
NCBI Accession #	NP_060691.2
NCBI GenBank Nucleotide #	NM_018221.4
UniProt Accession #	Q9H8S9; Q53S34; Q9H3T5; Q9HAI0; Q9NVE2
NCBI Official Full Name	MOB kinase activator 1A isoform 1
NCBI Official Synonym Full Names	MOB kinase activator 1A
NCBI Official Symbol	MOB1A
NCBI Official Synonym Symbols	MOB1; MATS1; Mob4B; C2orf6; MOBK1B; MOBKL1B
NCBI Protein Information	MOB kinase activator 1A
UniProt Protein Name	MOB kinase activator 1A
UniProt Gene Name	MOB1A
UniProt Synonym Gene Names	C2orf6; MOB4B; MOBK1B; MOBKL1B; Mob1A
UniProt Entry Name	MOB1A_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.