

Rabbit MOB1A Polyclonal Antibody | anti-MOB1A antibody

Phospho-MOB1A (Tyr26) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31161	Rabbit	Human, Mouse, Rat Predicted: Bovine, Horse, Sheep, Rabbit, Dog, Xenopus	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

MOB1A; Polyclonal Antibody; Phospho-MOB1A (Tyr26) Antibody; MATS 2; MATS2; MGC33910; Mob 1A; Mob 1B; MOB 4A; MOB kinase activator 1B; Mob1 homolog 1A; MOB1 Mps One Binder homolog B; MOB1 Mps one binder kinase activator like 1A; Mob1A; Mob1B; MOBKL 1A; MOBKL1A; MOL1A_HUMAN; Mps one binder kinase activator like 1A; Mps one binder kinase activator-like 1A; Protein Mob4A; anti-MOB1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-MOB1A (Tyr26) Antibody detects endogenous levels of MOB1A only when phosphorylated at Tyr26.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	221
Applicable Applications for anti-MOB1A antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA (Peptide ELISA)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA (Peptide): 1:20000-1:40000
Immunogen	A synthesized peptide derived from human MOB1A around the phosphorylation site of Tyr26.
Tissue Specificity	Adrenal gland, bone marrow, brain, lung, placenta, prostate, salivary gland, skeletal muscle, testis, thymus, thyroid gland, uterus, colon with mucosa, fetal brain and fetal liver.
Subcellular Location	Nucleus
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Phospho-MOB1A (Tyr26) in lysates of 293 IFN 2500U/ml 30', using Phospho-MOB1A (Tyr26) Antibody.



IHC (Immunohistochemistry)

At 1/100 staining human liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



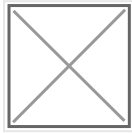
IHC (Immunohistochemistry)

At 1/100 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining rat brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining rat heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-MOB1A antibody	Description: 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.
	Post Translational Modifications: Phosphorylated by STK3/MST2 and STK4/MST1 and this phosphorylation enhances its binding to LATS1.
	Subunit Structure: Binds STK38L. Interacts with LATS1 and LATS2.
	Similarity: Belongs to the MOB1/phocein family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	348041379
NCBI GeneID	92597
NCBI Accession #	NP_001231695.1
NCBI GenBank Nucleotide #	NP_001231695.1
UniProt Accession #	Q7L9L4
Molecular Weight	Observed: 25 kDa Predicted: 26 kDa

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/mob1a-antibody-western-blot-immunohistochemistry-peptide-elisa-elisa/31161>