



Rabbit Anti-C2orf6/MOBK1B antibody

SL6549R

Product Name:	C2orf6/MOBK1B
Chinese Name:	2号染色体开放阅读框6抗体
Alias:	C2orf6; Chromosome 2 open reading frame 6; MATS1; MOB1; Mob1 alpha; Mob1 homolog 1B; MOB1 Mps One Binder kinase activator like 1B; Mob1A; MOB4B; Mob4B protein; MOBKL1B; MOBK1B; MOL1B_HUMAN; Mps one binder kinase activator like 1B; Mps one binder kinase activator-like 1B; Protein Mob4B.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	25kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MOBK1B/C2orf6:101-216/216
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 MST1/MST2, 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.

Function:

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.

Subunit:

Binds STK38 and STK38L. Interacts with LATS1 and LATS2. Forms a tripartite complex with STK38 and STK3/MST2.

Tissue Specificity:

Adrenal gland, bone marrow, brain, placenta, prostate, salivary gland, skeletal muscle, testis, thymus, thyroid gland, heart, spinal cord, fetal brain and fetal liver.

Post-translational modifications:

Phosphorylated by STK3/MST2 and STK4/MST1 and this phosphorylation enhances its binding to LATS1.

Similarity:

Belongs to the MOB1/phocein family.

SWISS:

Q9H8S9

Gene ID:

55233

Database links:

[Entrez Gene: 55233](#) Human

[Entrez Gene: 232157](#) Mouse

[Entrez Gene: 100366014](#) Rat

[Entrez Gene: 297387](#) Rat

[Omin: 609281](#) Human

[SwissProt: Q9H8S9](#) Human

[SwissProt: Q921Y0](#) Mouse

[SwissProt: Q3T1J9](#) Rat

[Unigene: 29500](#) Mouse

[Unigene: 74475](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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