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Rabbit Anti-MOB4A antibody

SL17698R

Product Name:	MOB4A
Chinese Name:	MOB4A蛋白抗体
Alias:	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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MOB4A:1-100/216
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:	The protein encoded by this gene is similar to the yeast Mob1 protein. Yeast Mob1 binds Mps1p, a protein kinase essential for spindle pole body duplication and mitotic checkpoint regulation. Three transcript variants encoding different isoforms have been

found for this gene. [provided by RefSeq, Sep 2011]

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 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 STK38L.

Subcellular Location:
Cytoplasm. Nucleus.

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.

Similarity:
Belongs to the MOB1/phocein family.

SWISS:
Q7L9L4

Gene ID:
92597

Database links:

Entrez Gene: 92597 Human

Entrez Gene: 68473 Mouse

Omim: 609282 Human

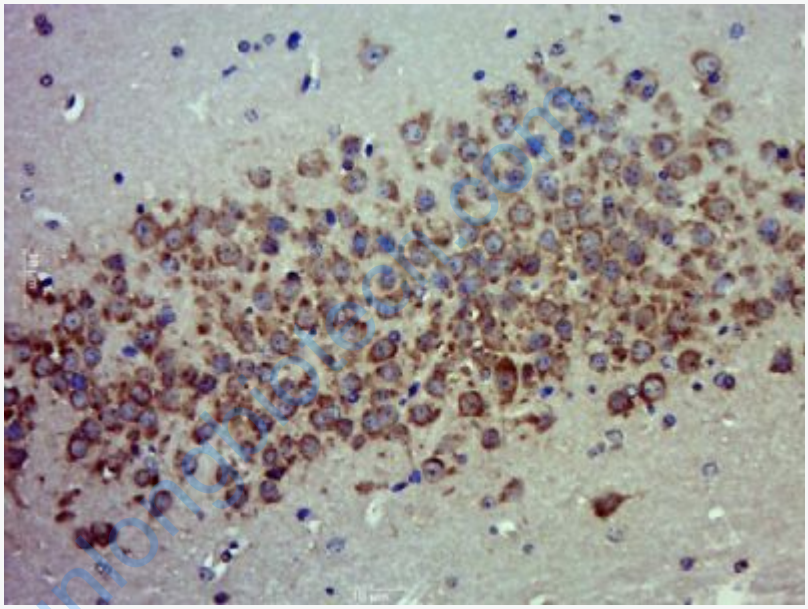
SwissProt: Q7L9L4 Human

SwissProt: Q8BPB0 Mouse

Unigene: 691454 Human

Unigene: 700445 Human

Unigene: 730274 Human

	Unigene: 35764 Mouse Unigene: 392493 Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MOB4A) Polyclonal Antibody, Unconjugated (SL17698R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.