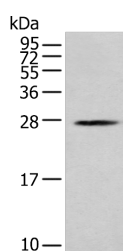


## MOB1B Polyclonal Antibody

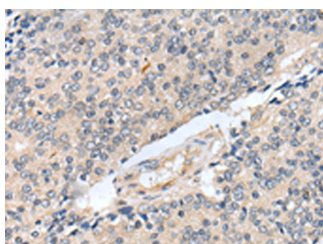
<b>Catalog No.</b>	E-AB-18414	<b>Reactivity</b>	H,M
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	WB,IHC,ELISA	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

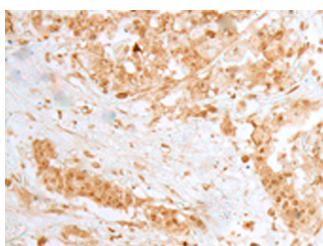
### Images



Western blot analysis of K562 cell using MOB1B Polyclonal Antibody at dilution of 1:250



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using MOB1B Polyclonal Antibody at dilution of 1:250(x200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using MOB1B Polyclonal Antibody at dilution of 1:250(x200)

### Immunogen Information

<b>Immunogen</b>	Full length fusion protein
<b>Gene Accession</b>	BC038112
<b>Swissprot</b>	Q7L9L4
<b>Synonyms</b>	MATS2,MGC33910,Mob 1A,Mob 1B,MOB4A,Mob1A,Mob1B,MOBKL1A,MOBKL1A,MOL1A,Protein Mob4A

### Product Information

<b>Calculated MW</b>	25 kDa
<b>Observed MW</b>	Refer to figures
<b>Buffer</b>	PBS with 0.05% NaN <sub>3</sub> and 40% Glycerol,pH7.4
<b>Purify</b>	Antigen affinity purification
<b>Dilution</b>	WB 1:500-1:2000, IHC 1:25-1:100, ELISA 1:5000-1:10000

### Background

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. 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.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.