

MOBK1B Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12884a**Specification**

MOBK1B Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q9H8S9](#)**MOBK1B Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 55233**Other Names**

MOB kinase activator 1A, Mob1 alpha, Mob1A, Mob1 homolog 1B, Mps one binder kinase activator-like 1B, MOB1A, C2orf6, MOB4B, MOBK1B, MOBKL1B

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MOBK1B Antibody (N-term) Blocking peptide - Protein Information**Name** MOB1A**Synonyms** C2orf6, MOB4B, MOBK1B, MOBKL1B**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.

Tissue Location

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

MOBK1B Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

MOBK1B Antibody (N-term) Blocking peptide - Images**MOBK1B Antibody (N-term) Blocking peptide - Background**

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.

MOBK1B Antibody (N-term) Blocking peptide - References

Chow, A., et al. Int. J. Cancer 126(9):2079-2089(2010)Wilmeth, L.J., et al. Mol. Biol. Cell 21(3):380-392(2010)Kosaka, Y., et al. Int. J. Oncol. 31(2):333-338(2007)Lamesch, P., et al. Genomics 89(3):307-315(2007)Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :