10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MOBKL1B Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP7379b

Specification

MOBKL1B Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9H8S9

MOBKL1B Antibody (C-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

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7379b was selected from the C-term region of human MOBKL1B. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

MOBKL1B Antibody (C-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.

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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

MOBKL1B Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

MOBKL1B Antibody (C-term) Blocking Peptide - Images

MOBKL1B Antibody (C-term) Blocking Peptide - Background

MOBKL1B stimulates the kinase activity of STK38 and STK38L.

MOBKL1B Antibody (C-term) Blocking Peptide - References

Bichsel,S.J., J. Biol. Chem. 279 (34), 35228-35235 (2004)Stavridi,E.S., Structure 11 (9), 1163-1170 (2003)