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KIF16b Antibody Blocking peptide
Synthetic peptide
Catalog # BP15010a

Specification

KIF16b Antibody Blocking peptide - Product Information

Primary Accession Q96L93

KIF16b Antibody Blocking peptide - Additional Information

Gene ID 55614

Other Names
Kinesin-like protein KIF16B, Sorting nexin-23, KIF16B, C20orf23, KIAA1590, SNX23

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP15010a was selected from the KIF16b protein. 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.

KIF16b Antibody Blocking peptide - Protein Information

Name KIF16B

Synonyms C20orf23, KIAA1590, SNX23

Function
Plus end-directed microtubule-dependent motor protein involved in endosome transport and receptor recycling and degradation. Regulates the plus end motility of early endosomes and the balance between recycling and degradation of receptors such as EGF receptor (EGFR) and FGF receptor (FGFR). Regulates the Golgi to endosome transport of FGFR-containing vesicles during early development, a key process for developing basement membrane and epiblast and primitive endoderm lineages during early postimplantation development.

Cellular Location
Cytoplasm, cytoskeleton. Early endosome membrane. Cytoplasm. Cytoplasm, cytoskeleton, spindle. Note=It is unclear whether association with endosomes is mediated via phosphatidylinositol 3-phosphate (PtdIns(3)P)-binding or via its interaction with RAB14

Tissue Location
Primarily expressed in brain. Also present in kidney, liver, intestine, placenta, leukocytes, heart and skeletal muscle (at protein level).

KIF16b Antibody Blocking peptide - Protocols

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

- Blocking Peptides

KIF16b Antibody Blocking peptide - Images

KIF16b Antibody Blocking peptide - Background

KIF16b may be involved in several stages of intracellular trafficking. Probable microtubule-dependent motor protein (By similarity).

KIF16b Antibody Blocking peptide - References

Vasilescu, J., et al. J. Proteome Res. 6(1):298-305(2007)Seet, L.F., et al. Biochim. Biophys. Acta 1761(8):878-896(2006)Miki, H., et al. Trends Cell Biol. 15(9):467-476(2005)Hoepfner, S., et al. Cell 121(3):437-450(2005)Worby, C.A., et al. Nat. Rev. Mol. Cell Biol. 3(12):919-931(2002)