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

KIF16b Antibody
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP15010A

Specification

KIF16b Antibody - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q96L93
Other Accession	B1AVY7, NP_078980.3
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**152011**
Antigen Region	**1-30**

KIF16b Antibody - Additional Information

Gene ID 55614

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

Target/Specificity
This KIF16b antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from human KIF16b.

Dilution
WB~~1:1000
IHC-P~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
KIF16b Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

KIF16b Antibody - 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

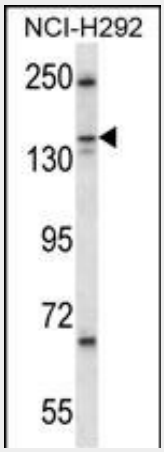
Tissue Location
Primarily expressed in brain. Also present in kidney, liver, intestine, placenta, leukocytes, heart and skeletal muscle (at protein level).

KIF16b Antibody - Protocols

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

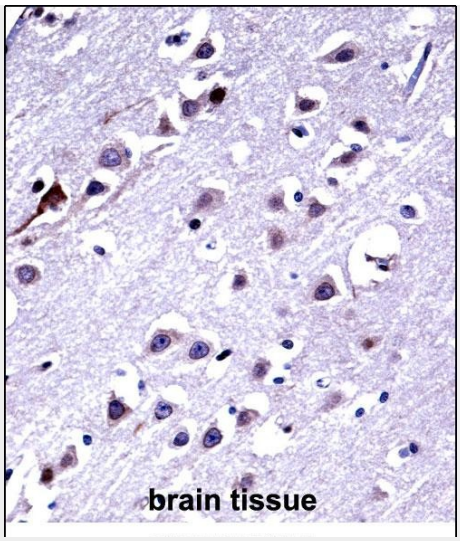
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KIF16b Antibody - Images



KIF16b Antibody (Cat. #AP15010a) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the KIF16b antibody detected the KIF16b protein (arrow).

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KIF16b Antibody (AP15010a)immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of KIF16b Antibody for immunohistochemistry. Clinical relevance has not been evaluated.

KIF16b Antibody - Background

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

KIF16b Antibody - 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)