

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

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**KIF16b Antibody - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">O96L93</a>
Other Accession	<a href="#">B1AVY7</a> , <a href="#">NP_078980.3</a>
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**

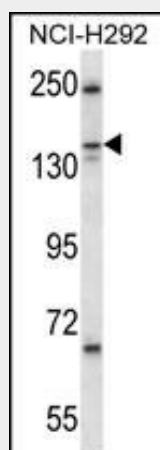
Primarily expressed in brain. Also present in kidney, liver, intestine, placenta, leukocytes, heart and skeletal muscle (at protein level).

### **KIF16b Antibody - Protocols**

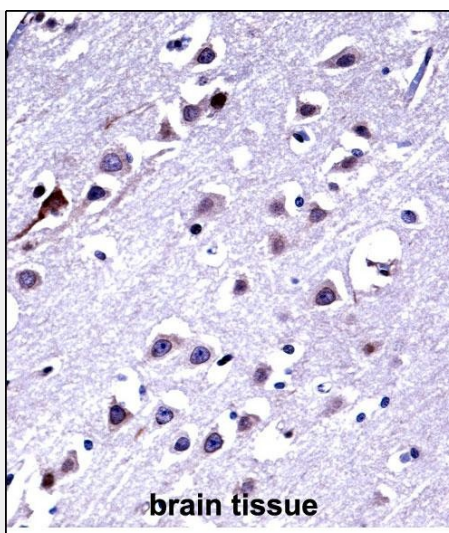
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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).



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)