

KIF16B Rabbit pAb

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Catalog # AP56529

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q96L93
Predicted	Rat, Human, Mouse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	152011
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KIF16B
Epitope Specificity	1-100/1317
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm, cytoskeleton {ECO:0000305}. Early endosome membrane. Note=It is unclear whether association with endosomes is mediated via phosphatidylinositol 3-phosphate (PtdIns(3)P)-binding or via its interaction with RAB14.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	KIF16B belongs to the kinesin like protein family. It may be involved in several stages of intracellular trafficking and is a probable microtubule dependent motor protein.

Additional Information

Gene ID	55614
Other Names	Kinesin-like protein KIF16B, Sorting nexin-23, KIF16B, C20orf23, KIAA1590, SNX23
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	KIF16B
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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).

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.