

KIF3B Rabbit pAb

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Catalog # AP56553

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O15066
Predicted	Pig, Dog, Human, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	85125
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KIF3B
Epitope Specificity	101-200/747
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene acts as a heterodimer with kinesin family member 3A to aid in chromosome movement during mitosis and meiosis. The encoded protein is a plus end-directed microtubule motor and can interact with the SMC3 subunit of the cohesin complex. In addition, the encoded protein may be involved in the intracellular movement of membranous organelles. This protein and kinesin family member 3A form the kinesin II subfamily of the kinesin superfamily. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	9371
Other Names	Kinesin-like protein KIF3B, HH0048, Microtubule plus end-directed kinesin motor 3B, Kinesin-like protein KIF3B, N-terminally processed, KIF3B, KIAA0359
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
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	KIF3B
Synonyms	KIAA0359
Function	Microtubule-based molecular motor that transport intracellular cargos, such as vesicles, organelles and protein complexes. Uses ATP hydrolysis to generate force to bind and move along the microtubule (By similarity). Plays a role in cilia formation (PubMed: 32386558). Involved in photoreceptor integrity and opsin trafficking in rod photoreceptors (PubMed: 32386558). Transports vesicles containing N-methyl-D-aspartate (NMDA) receptor subunit GRIN2A into neuronal dendrites (By similarity).
Cellular Location	Cytoplasm, cytoskeleton. Cell projection, cilium {ECO:0000250 UniProtKB:Q61771}. Cell projection, dendritic spine {ECO:0000250 UniProtKB:Q61771}

Background

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