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KIF21B Rabbit pAb

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Catalog # AP56534

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O75037
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	182662
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KIF21B
Epitope Specificity	1181-1280/1637
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	This gene encodes a member of the kinesin superfamily. Kinesins are ATP-dependent microtubule-based motor proteins that are involved in the intracellular transport of membranous organelles. Single nucleotide polymorphisms in this gene are associated with inflammatory bowel disease and multiple sclerosis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]

Additional Information

Gene ID	23046
Other Names	Kinesin-like protein KIF21B, KIF21B, KIAA0449
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	KIF21B

Synonyms	KIAA0449
Function	Plus-end directed microtubule-dependent motor protein which displays processive activity. Is involved in regulation of microtubule dynamics, synapse function and neuronal morphology, including dendritic tree branching and spine formation. Plays a role in lerning and memory. Involved in delivery of gamma-aminobutyric acid (GABA(A)) receptor to cell surface.
Cellular Location	Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q9QXL1}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q9QXL1}. Cell projection, growth cone {ECO:0000250|UniProtKB:Q9QXL1}. Cell projection, axon {ECO:0000250|UniProtKB:Q9QXL1}. Cytoplasmic vesicle {ECO:0000250|UniProtKB:F1M5N7}

Background

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