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KIF25 Rabbit pAb

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Catalog # AP56535

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9UIL4
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40686
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KIF25
Epitope Specificity	301-384/384
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 is a member of the kinesin-like protein family. Protein family members are microtubule-dependent molecular motors that transport organelles within cells and move chromosomes during cell division. However, the particular function of this gene product has not yet been determined. Two alternatively spliced transcript variants which encode products have been described. Other splice variants have been found that lack exon 2 and the initiation codon for translation. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	3834
Other Names	Kinesin-like protein KIF25, Kinesin-like protein 3, KIF25 (HGNC:6390)
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	KIF25 (HGNC:6390)
Function	Minus-end microtubule-dependent motor protein (By similarity). Acts as a negative regulator of centrosome separation required to prevent premature centrosome separation during interphase (PubMed:28263957). Required to maintain a centered nucleus to ensure that the spindle is stably oriented at the onset of mitosis (PubMed:28263957). May also act as a negative regulator of amino acid starvation-induced autophagy (PubMed:22354037).
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250|UniProtKB:Q4R918}

Background

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