

KIFC3 Rabbit pAb

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Catalog # AP56540

Product Information

Application	WB
Primary Accession	Q9BVG8
Reactivity	Mouse
Predicted	Rat, Pig, Dog, Human, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	92775
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KIFC3
Epitope Specificity	431-530/833
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	Cell junction > adherens junction. Cytoplasm > cytoskeleton > centrosome. Cytoplasmic vesicle membrane. Apical cell membrane. On membrane organelles immediately beneath the apical plasma membrane of renal tubular epithelial cells. Localized in the distal tubules and loops of Henle in the kidney, but not in the proximal tubules or the glomeruli, with stronger staining in the apical area of these epithelial cells (By similarity). Localizes along zonula adherens only at mature cell-cell contacts.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	KIFC3 belongs to the large superfamily of kinesins, molecular motors that use the energy of ATP hydrolysis to translocate cargoes along microtubules. Members share extensive homology within a globular domain containing the microtubule- and ATP-binding sites and have a coiled-coil stalk domain that mediates oligomerization. Different kinesin family members participate in specific and diverse motile processes, such as cell division, organelle transport, and nuclear movement (Hoang et al., 1998 [PubMed 9782090]).[supplied by OMIM, Mar 2009]

Additional Information

Gene ID	3801
Other Names	Kinesin-like protein KIFC3, KIFC3
Dilution	WB=1:500-2000
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.

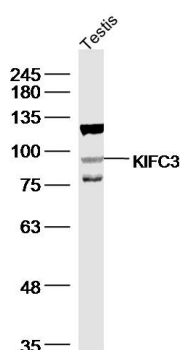
Protein Information

Name	KIFC3
Function	Minus-end microtubule-dependent motor protein. Involved in apically targeted transport (By similarity). Required for zonula adherens maintenance.
Cellular Location	Cell junction, adherens junction. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Cytoplasmic vesicle membrane; Peripheral membrane protein. Note=Apical cell membrane. On membrane organelles immediately beneath the apical plasma membrane of renal tubular epithelial cells. Localized in the distal tubules and loops of Henle in the kidney, but not in the proximal tubules or the glomeruli, with stronger staining in the apical area of these epithelial cells (By similarity). Localizes along zonula adherens only at mature cell-cell contacts.

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Images



Sample: Testis (Mouse) Lysate at 40 ug
Primary: Anti-KIFC3 (AP56540) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 93 kD
Observed band size: 93 kD

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