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IFT88 Recombinant Rabbit mAb

Catalog # AP99559

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q13099
Other Accession	Q13099
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	93192
Physical State	Liquid
Immunogen	A synthesized peptide derived from human IFT88
Epitope Specificity	46050
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Involved in primary cilium biogenesis.

Additional Information

Gene ID	8100
Other Names	IFT88_HUMAN; IFT88; Recessive polycystic kidney disease protein Tg737 homolog; Tetratricopeptide repeat protein 10 (TPR repeat protein 10); TG737; TTC10; D13S1056E; DAF19; hTg737; intraflagellar transport 88; tetratricopeptide repeat domain 10; intraflagellar transport 88 homolog (Chlamydomonas); polaris homolog
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=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	IFT88
Synonyms	TG737, TTC10
Function	Positively regulates primary cilium biogenesis (PubMed: 17604723). Also

	involved in autophagy since it is required for trafficking of ATG16L and the expansion of the autophagic compartment.
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole {ECO:0000250|UniProtKB:Q61371}. Cell projection, cilium. Cytoplasm, cytoskeleton, cilium basal body. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm {ECO:0000250|UniProtKB:Q61371}. Cell projection, cilium, flagellum {ECO:0000250|UniProtKB:Q61371}. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q61371}. Note=Colocalizes with ENTR1 and gamma- tubulin at the basal body of primary cilia (PubMed:27767179) Colocalizes with ENTR1 and pericentrin at the centrosome (PubMed:27767179). In sperm cells, localizes to the manchette, head- tail coupling apparatus and flagellum. Localizes to the manchette in elongating spermatids in a CFAP70-dependent manner (By similarity) {ECO:0000250|UniProtKB:Q61371, ECO:0000269|PubMed:27767179}
Tissue Location	Expressed in the heart, brain, liver, lung, kidney, skeletal muscle and pancreas.

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