

KD-Validated Anti-Intraflagellar transport 88 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1381

Product Information

Application	WB, FC, ICC
Primary Accession	Q13099
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB4015
Calculated MW	93192
Gene Name	IFT88
Aliases	IFT88; Intraflagellar Transport 88; D13S1056E; TG737; TTC10; Recessive Polycystic Kidney Disease Protein Tg737 Homolog; Intraflagellar Transport Protein 88 Homolog; Tetratricopeptide Repeat Protein 10; Tetratricopeptide Repeat Domain 10; TPR Repeat Protein 10; Polaris Homolog; MGC26259; HTg737; Probe HTg737 (Polycystic Kidney Disease, Autosomal Recessive); Intraflagellar Transport 88 Homolog (Chlamydomonas); Intraflagellar Transport 88 Homolog; Testicular Tissue Protein Li 93; HTG737; Tg737; DAF19
Immunogen	A synthesized peptide derived from human IFT88

Additional Information

Gene ID	8100
Other Names	Intraflagellar transport protein 88 homolog, Recessive polycystic kidney disease protein Tg737 homolog, Tetratricopeptide repeat protein 10, TPR repeat protein 10, IFT88, TG737, TTC10

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'.