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KD-Validated Anti-Intraflagellar transport 88 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1381

Specification

KD-Validated Anti-Intraflagellar transport 88 Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC, ICC**
Primary Accession	Q13099
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 94 kDa, observed, 75 kDa KDa**
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**

KD-Validated Anti-Intraflagellar transport 88 Rabbit Monoclonal Antibody - 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

KD-Validated Anti-Intraflagellar transport 88 Rabbit Monoclonal Antibody - Protein Information

Name IFT88

Synonyms TG737, TTC10

Function
Positively regulates primary cilium biogenesis (PubMed:<a

href="http://www.uniprot.org/citations/17604723" target="_blank">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 (By similarity) {ECO:0000250|UniProtKB:Q61371, ECO:0000269|PubMed:27767179}

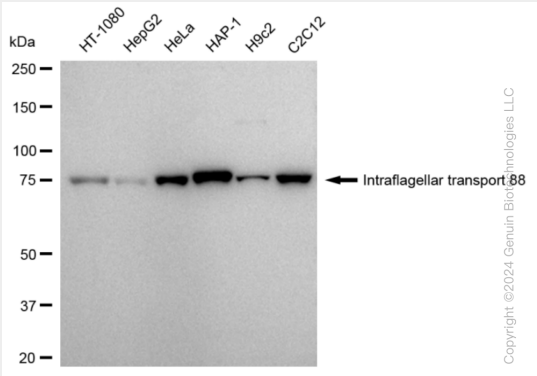
Tissue Location
Expressed in the heart, brain, liver, lung, kidney, skeletal muscle and pancreas.

KD-Validated Anti-Intraflagellar transport 88 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-Intraflagellar transport 88 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Intraflagellar transport 88 antibody (Cat#AGI1381). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Intraflagellar transport 88 antibody (Cat#AGI1381, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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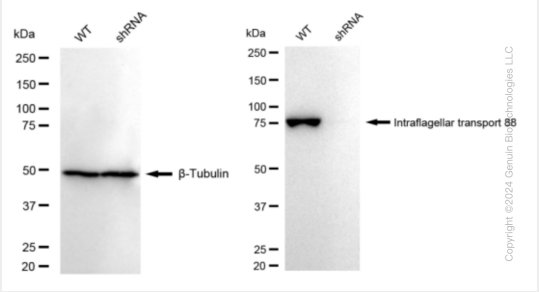
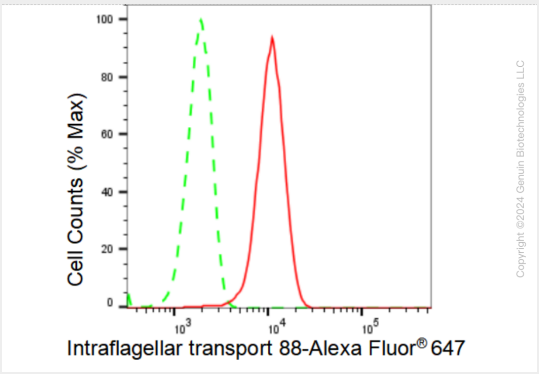
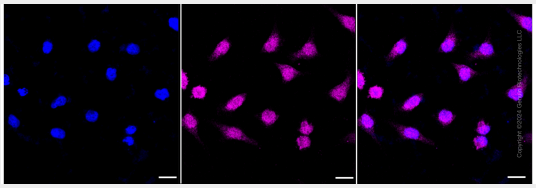


Western blotting analysis using anti-Intraflagellar transport 88 antibody (Cat#AGI1381). Intraflagellar transport 88 expression in wild type (WT) and Intraflagellar transport 88 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Intraflagellar transport 88 antibody (Cat#AGI1381, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Intraflagellar transport 88 expression in HeLa cells using Intraflagellar transport 88 antibody (Cat#AGI1381, 1:2,000). Green, isotype control; red, Intraflagellar transport 88.



Immunocytochemical staining of HeLa cells with Intraflagellar transport 88 antibody (Cat#AGI1381, 1:1,000). Nuclei were stained blue with DAPI; Intraflagellar transport 88 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.