

Product Name: KD-Validated Intraflagellar Transport 88 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01328

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 93.2kDa

Antigen Information

Gene Name	IFT88
Alternative Names	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
Gene ID	8100.0
SwissProt ID	Q13099
Immunogen	A synthesized peptide derived from human IFT88

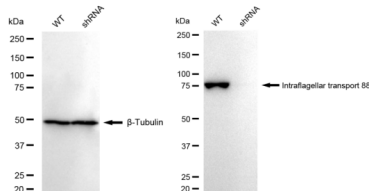
Background

This gene encodes a member of the tetratrico peptide repeat (TPR) family. The encoded protein is involved in cilium biogenesis. Mutations of a similar gene in mouse can cause polycystic kidney disease. Several transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2017]

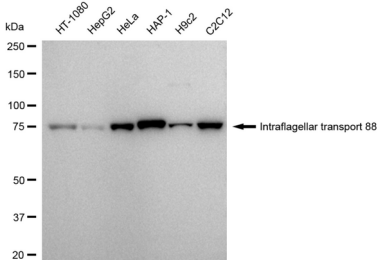
Research Area

Epigenetics and Nuclear Signaling

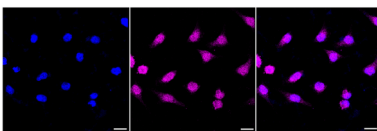
Image Data



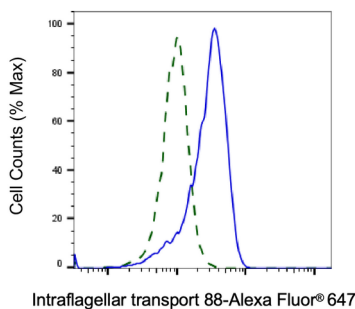
Western blotting analysis using Intraflagellar transport 88 antibody (KVA01328). Intraflagellar transport 88 expression in wild type (WT) and Intraflagellar transport 88 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Intraflagellar transport 88 antibody (KVA01328, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



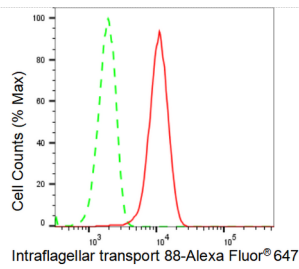
Western blotting analysis using Intraflagellar transport 88 antibody (KVA01328). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Intraflagellar transport 88 antibody (KVA01328, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with Intraflagellar transport 88 antibody (KVA01328, 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.



Validation of Intraflagellar transport 88 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Intraflagellar transport 88 antibody (KVA01328, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Intraflagellar transport 88 expression in HeLa cells using Intraflagellar transport 88 antibody (KVA01328, 1:2,000). Green, isotype control; red, Intraflagellar transport 88.