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

Catalog #: 61674

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

Background

Gene Name: IFT88
NCBI Gene Entry: 8100
UniProt Entry: Q13099

Application Information

Molecular Weight: Predicted, 94 kDa, observed, 75 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 23GB4015
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human IFT88

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000
Flow Cytometry (FCM): 1:2,000
Immunocytochemistry (IC): 1:100-1:1,000

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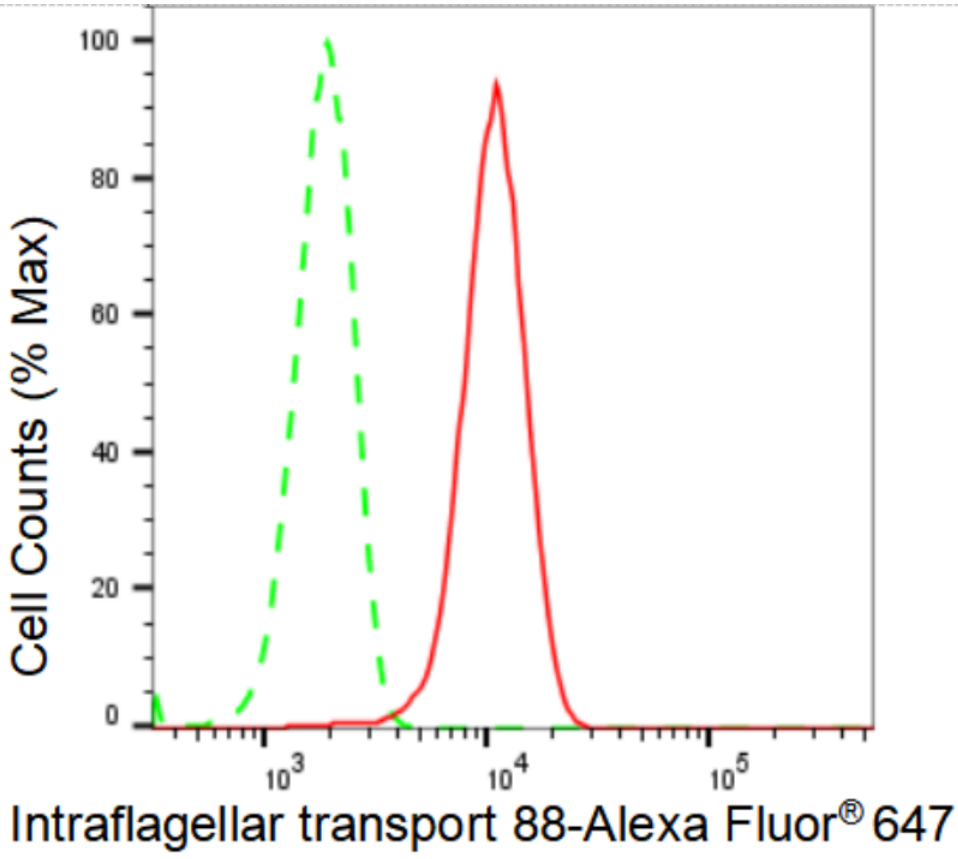
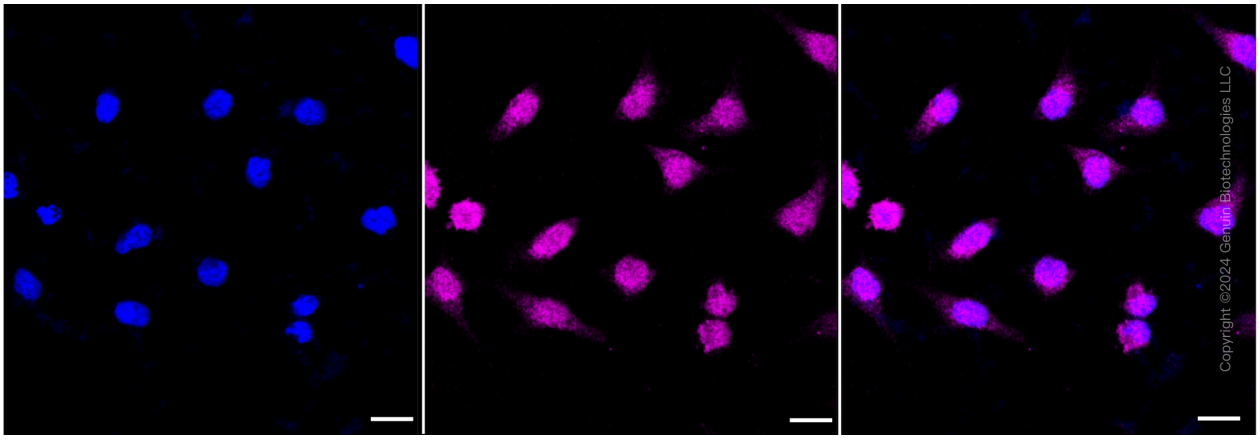
Note: This product is for research use only.

Validation Data

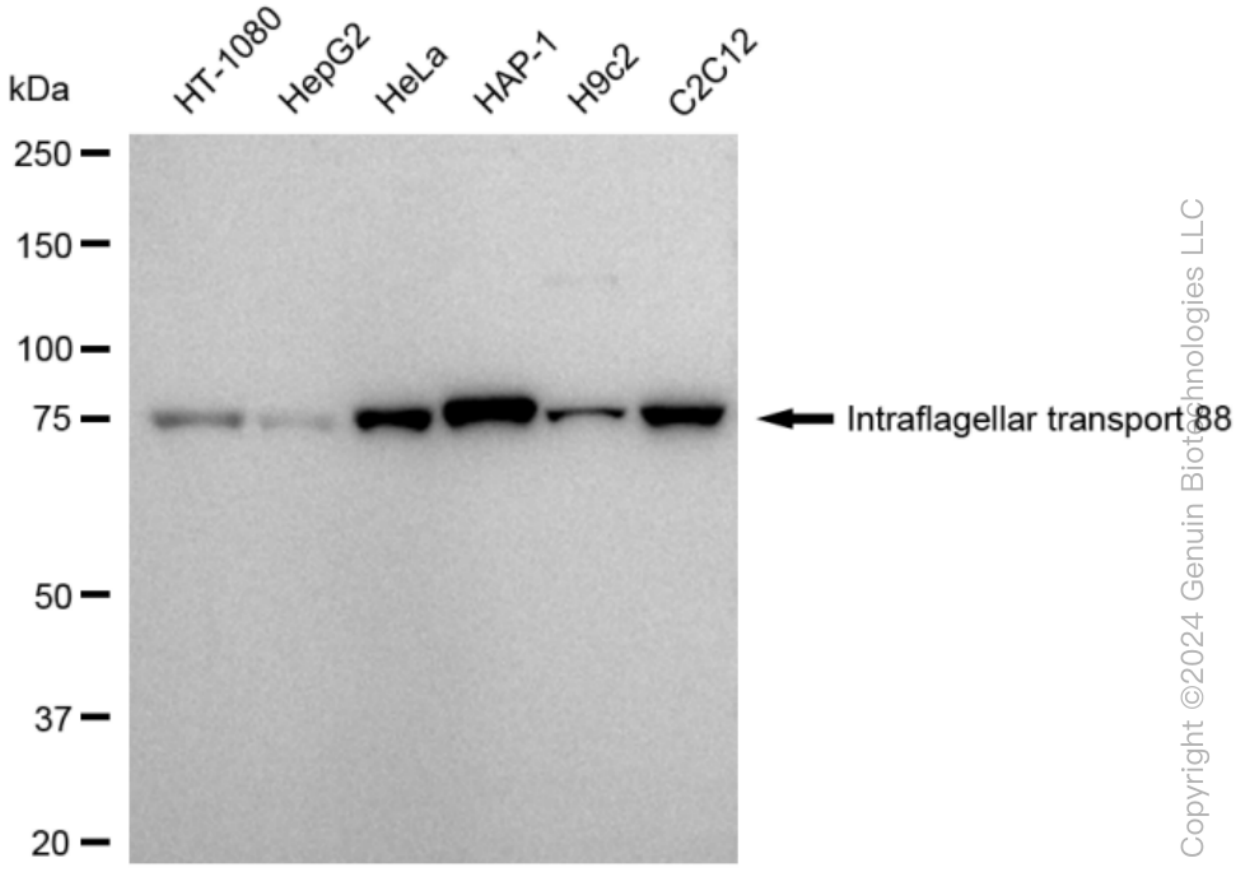


Flow cytometric analysis of Intraflagellar transport 88 expression in HeLa cells using Intraflagellar transport 88 antibody (Cat#61674, 1:2,000). Green, isotype control; red, Intraflagellar transport 88.



Immunocytochemical staining of HeLa cells with Intraflagellar transport 88 antibody (Cat#61674, 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.



Western blotting analysis using anti-Intraflagellar transport 88 antibody (Cat#61674). 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#61674, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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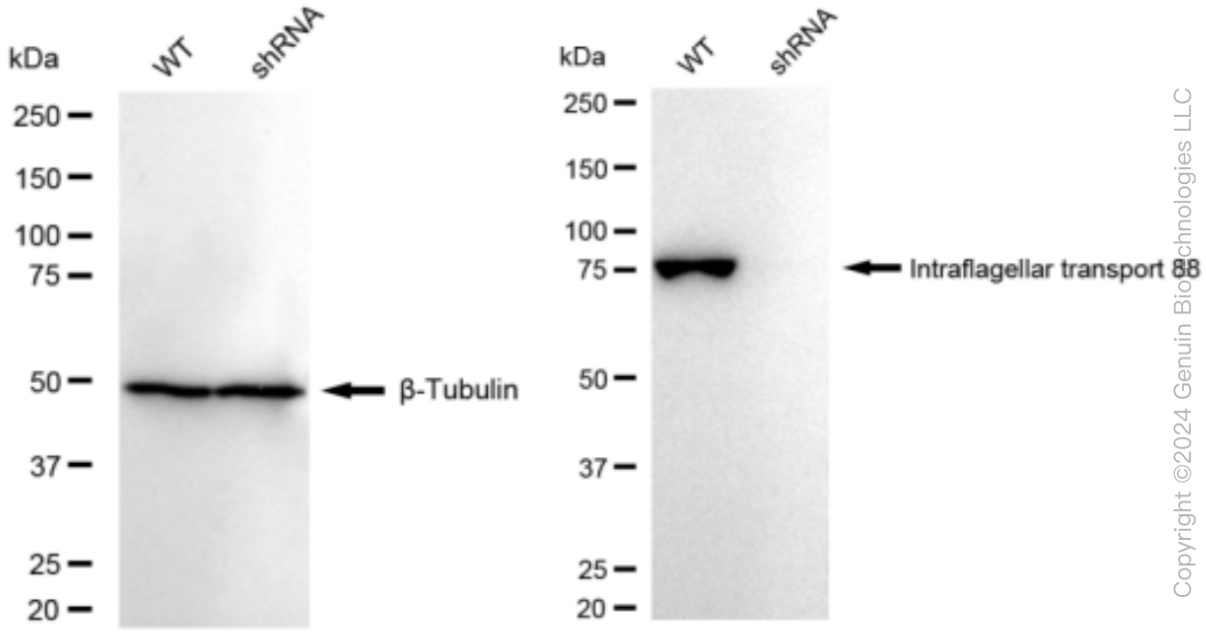

Western blotting analysis using anti-Intraflagellar transport 88 antibody (Cat#61674). Intraflagellar transport 88 expression in wild type (WT) and Intraflagellar transport 88 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Intraflagellar transport 88 antibody (Cat#61674, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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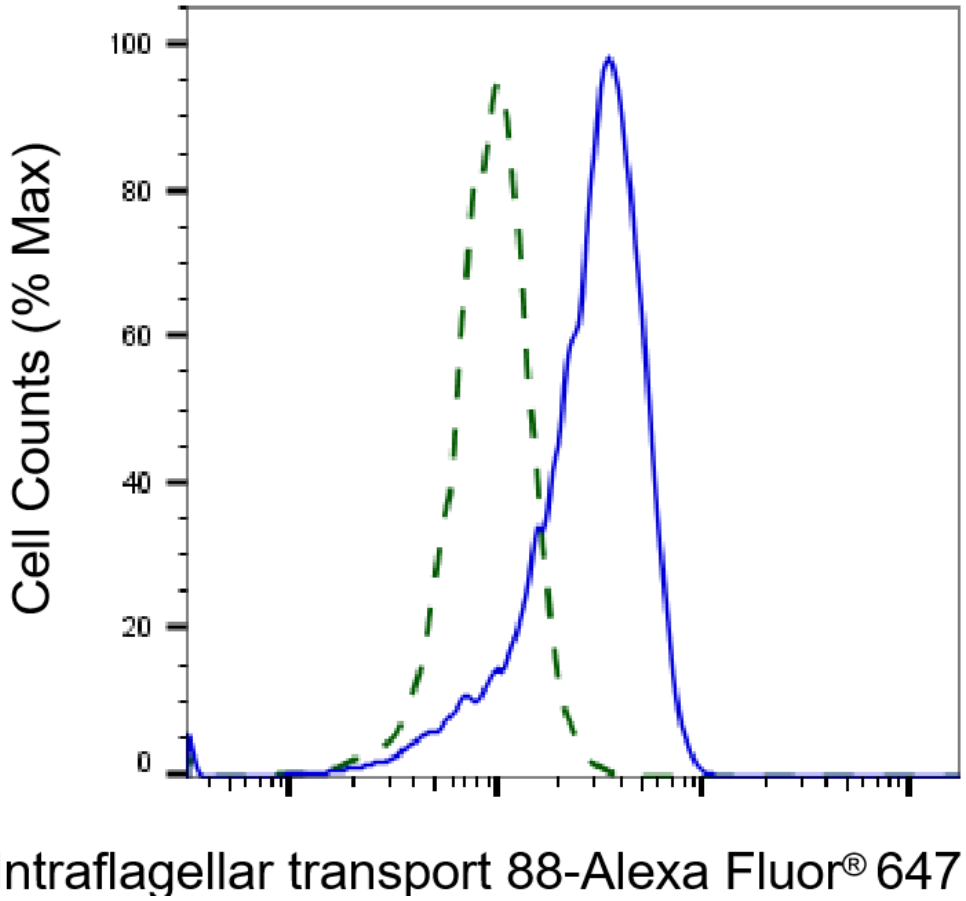

Validation of Intraflagellar transport 88 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-Intraflagellar transport 88 antibody (Cat#61674, 1:2,000) and analyzed using BD flow cytometer.