

For Research Use Only

# IFT88 Polyclonal antibody

Catalog Number: 13967-1-AP

Featured Product

334 Publications



## Basic Information

<b>Catalog Number:</b> 13967-1-AP	<b>GenBank Accession Number:</b> BC030776	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8100	<b>Recommended Dilutions:</b> WB 1:2000-1:12000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> intraflagellar transport 88 homolog (Chlamydomonas)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 94 kDa	
<b>Immunogen Catalog Number:</b> AG4980	<b>Observed MW:</b> 88-95 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> CoIP, IF, IHC, IP, WB	<b>WB :</b> HEK-293 cells, Jurkat cells, MDCK cells, NIH/3T3 cells, mouse thymus tissue
<b>Species Specificity:</b> human, mouse, rat, Canine	<b>IP :</b> knockout cells and WT cells, HEK-293 cells
<b>Cited Species:</b> human, chicken, rat, mouse, zebrafish, pig, canine	<b>IHC :</b> human heart tissue, human pancreas tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IF :</b> MDCK cells, hTERT-RPE1 cells, C2C12 cells

## Background Information

Intraflagellar transport (IFT), mediated by molecular motors and IFT particles, is an important transport process that occurs in the cilium and has been shown to be essential for the assembly and maintenance of cilia and flagella in many organisms. IFT88 (intraflagellar transport protein 88; also known as TG737 or TTC10) is a component of IFT particles and required for cilium biogenesis. Defects in IFT88/Tg737 lead to polycystic kidney disease (11062270). IFT88 localizes to spindle poles during mitosis and is required for spindle orientation in mitosis (21441926). This antibody was raised against the C-terminal region of human IFT88 and can detect the endogenous level of IFT88.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lei Wang	30258116	Nat Commun	WB,IF
Ivan Duran	27666822	Sci Rep	WB
Ana Martin-Hurtado	31554934	Sci Rep	WB,IF

## Storage

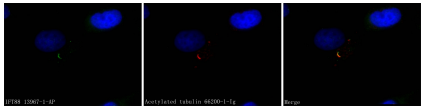
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

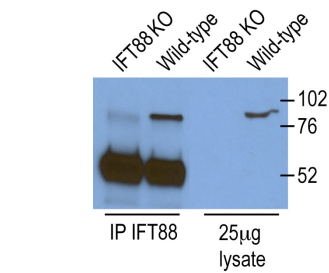
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

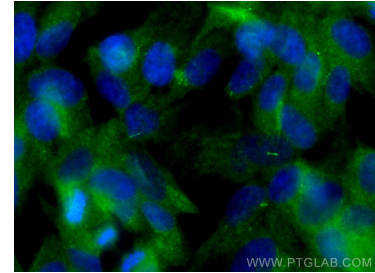
Selected Validation Data



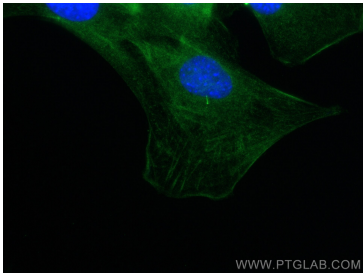
Immunofluorescent analysis of (4% PFA) fixed MDCK cells using 13967-1-AP (IFT88 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



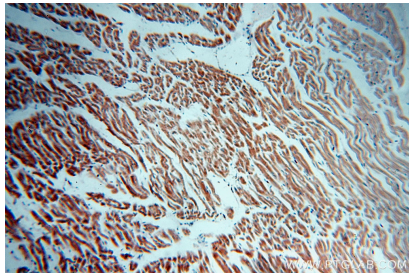
IP and WB result of IFT88 (13967-1-AP) from Dr. Corbit, Kevin. Knockout cells and WT cells.



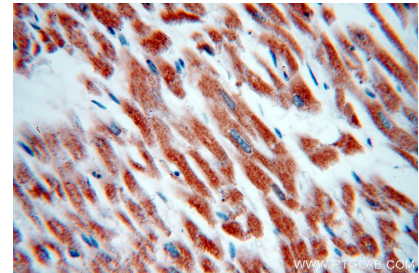
Immunofluorescent analysis of (4% PFA) fixed hTERT-RPE1 cells using IFT88 antibody (13967-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed C2C12 cells using IFT88 antibody (13967-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human heart using 13967-1-AP (IFT88 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart using 13967-1-AP (IFT88 antibody) at dilution of 1:50 (under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 13967-1-AP (IFT88 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.