

# IFT88

## Polyclonal ANTIBODY

Catalog Number: 13967-1-AP

Featured Product

117 Publications

### Basic Information

**Catalog Number:**  
13967-1-AP

**Size:**  
40 µg/150 µl

**Source:**  
Rabbit

**Isotype:**  
IgG

**Purification Method:**  
Antigen affinity purification

**Immunogen Catalog Number:**  
AG4980

**GenBank Accession Number:**  
BC030776

**GeneID (NCBI):**  
8100

**Full Name:**  
intraflagellar transport 88 homolog  
(Chlamydomonas)

**Calculated MW:**  
94 kDa

**Observed MW:**  
88-95 kDa

**Recommended Dilutions:**

WB 1:500-1:1000

IP 1:500-1:1000

IHC 1:20-1:200

IF 1:20-1:200

### Applications

**Tested Applications:**  
ELISA, WB, IP, IHC, IF

**Cited Applications:**  
IF, WB

**Species Specificity:**  
human, mouse, rat, dog

**Cited Species:**  
dog, human, mouse, rat, zebrafish

**Positive Controls:**
**WB :** HEK-293 cells; A549 cells, HepG2 cells, Jurkat cells, K-562 cells, mouse brain tissue, mouse eye tissue, mouse kidney tissue, mouse testis tissue, mouse thymus tissue, NIH/3T3 cells

**IP :** knockout cells and WT cells; HEK-293 cells

**IHC :** human heart tissue; human heart tissue, human pancreas tissue

**IF :** MDCK cells; hTERT-RPE1 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
Ivan Duran	27666822	Sci Rep	WB
T Tony Yang	26365165	Sci Rep	IF
Inna V Nechipurenko	27623382	Dev Cell	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

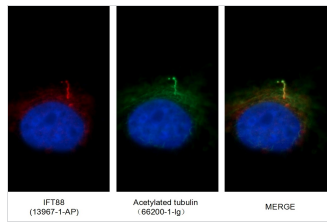
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

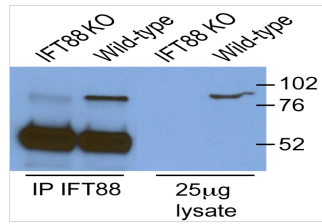
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

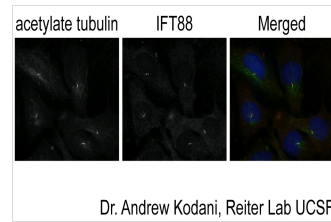
## Selected Validation Data



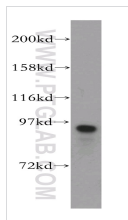
Immunofluorescent images of MDCK cells stained with IFT88 rabbit pAb (13967-1-AP) and acetylated tubulin mouse mAb (66200-1-Ig) at dilution of 1:50, further stained with Alexa Fluor 594-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) for 13967-1-AP, and Alexa Fluor 488-conjugated AffiniPure Goat anti-Mouse IgG(H+L) for 66200-1-Ig.



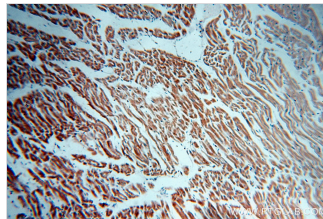
IP and WB result of IFT88(13967-1-AP) from Dr. Corbit, Kevin. Knockout cells and WT cells.



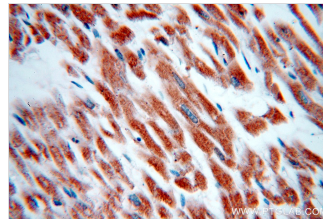
IF result of anti-IFT88(13967-1-AP) from Dr. Corbit, Kevin.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 13967-1-AP(IFT88 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours



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



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