

For Research Use Only

# IFT57 Polyclonal ANTIBODY



Catalog Number: 11083-1-AP

Featured Product

17 Publications

## Basic Information

**Catalog Number:**

11083-1-AP

**Size:**

150UL, Concentration: 347 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG1566

**GenBank Accession Number:**

BC011899

**GeneID (NCBI):**

55081

**Full Name:**

intraflagellar transport 57 homolog (Chlamydomonas)

**Calculated MW:**

49 kDa

**Observed MW:**

49 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:20-1:200

IF 1:50-1:500

## Applications

**Tested Applications:**

IF, IHC, IP, WB, ELISA

**Cited Applications:**

IF, IP, WB

**Species Specificity:**

human, mouse, rat, dog

**Cited Species:**

Chicken, human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB: mouse retina tissue, HEK-293 cells

IP: HEK-293 cells,

IHC: human prostate cancer tissue, human pancreas tissue

IF: MDCK cells,

## Background Information

IFT57, also named as DERP8, ESRRL1, HIPPI and MHS4R2, belongs to the IFT57 family. It is required for the formation of cilia. IFT57 plays an indirect role in sonic hedgehog signaling, cilia being required for all activity of the hedgehog pathway. It is a component of IFT complex B which composed of IFT88, IFT57, TRAF3IP1, IFT52, IFT27, HSPB11 and IFT20. In contrast to BBS proteins, IFT57 and IFT88 is found in almost every cilium. (PMID:22072986)

## Notable Publications

Author	Pubmed ID	Journal	Application
Malavika Raman	26389662	Nat Cell Biol	WB
Ying Hsu	29049287	PLoS Genet	WB
Laura Vuolo	30320547	Elife	WB,IF

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

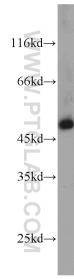
For technical support and original validation data for this product please contact:

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

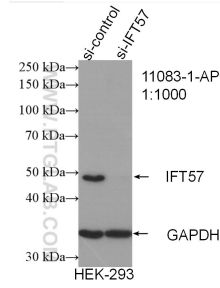
E: proteintech@ptglab.com  
W: ptglab.com

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

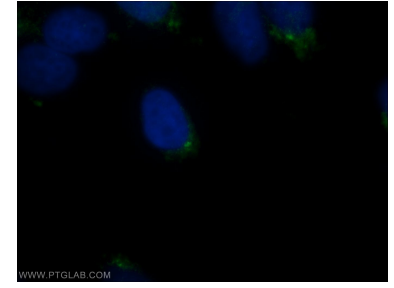
## Selected Validation Data



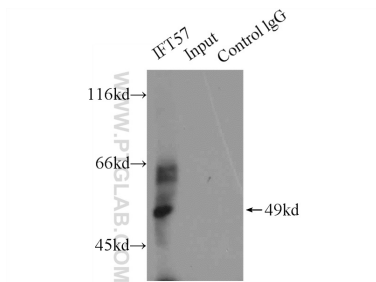
mouse retina tissue were subjected to SDS PAGE followed by western blot with 11083-1-AP (IFT57 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



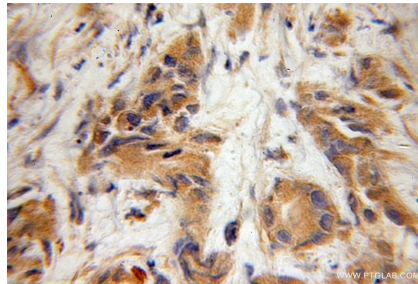
WB result of IFT57 antibody (11083-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-IFT57 transfected HEK-293 cells.



Immunofluorescent analysis of MDCK cells using 11083-1-AP (IFT57 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-IFT57 (IP:11083-1-AP, 5ug; Detection:11083-1-AP 1:800) with HEK-293 cells lysate 2000ug.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 11083-1-AP (IFT57 antibody) at dilution of 1:50 (under 10x lens).