

For Research Use Only

# IFT52 Polyclonal antibody

Catalog Number: 17534-1-AP

Featured Product

22 Publications



## Basic Information

**Catalog Number:**

17534-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG11586

**GenBank Accession Number:**

BC039831

**GeneID (NCBI):**

51098

**UNIPROT ID:**

Q9Y366

**Full Name:**

intraflagellar transport 52 homolog  
(Chlamydomonas)

**Calculated MW:**

437 aa, 50 kDa

**Observed MW:**

45-50 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total  
protein lysate

IF 1:10-1:100

## Applications

**Tested Applications:**

IF/ICC, IP, WB, ELISA

**Cited Applications:**

CoIP, IF, IP, WB

**Species Specificity:**

human, mouse, rat, Canine

**Cited Species:**

human, Chicken, rat, mouse

**Positive Controls:**

**WB:** HEK-293 cells, human testis tissue, mouse testis  
tissue, MDCK cells, LNCaP cells

**IP:** mouse testis tissue, HeLa cells

**IF:** HeLa cells,

## Background Information

IFT52, also named as C20orf9 and NGD5, is a component of IFT complex B which is composed of IFT88, IFT57, TRAF3IP1, IFT52, IFT27, HSPB11 and IFT20. IFT52 binds directly to the IFT81/74/27/25 complex. And IFT52 could mediate the interaction between the two subcomplexes. (PMID:21642430) The MW of IFT52 is about 45-54kd.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ivan Duran	27666822	Sci Rep	WB
Shichao Duan	33241915	EMBO J	WB
Chunyu Liu	31735294	Am J Hum Genet	WB

## 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:

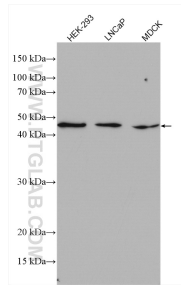
T: 4006900926

E: Proteintech-CN@ptglab.com

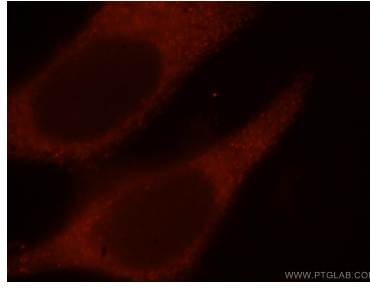
W: ptgcn.com

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

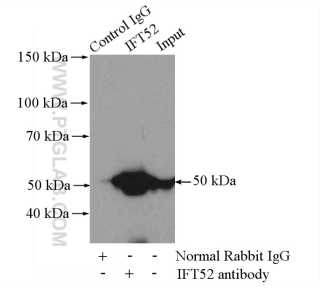
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17534-1-AP (IFT52 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HeLa cells, using IFT52 antibody 17534-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP result of anti-IFT52 (IP:17534-1-AP, 4ug; Detection:17534-1-AP 1:1000) with mouse testis tissue lysate 4000ug.