

For Research Use Only

# IFT20 Polyclonal antibody

Catalog Number: 13615-1-AP

Featured Product

76 Publications



## Basic Information

### Catalog Number:

13615-1-AP

### Concentration:

400 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4521

### GenBank Accession Number:

BC038094

### GeneID (NCBI):

90410

### UNIPROT ID:

Q8IY31

### Full Name:

intraflagellar transport 20 homolog  
(Chlamydomonas)

### Calculated MW:

15 kDa

### Observed MW:

15-18 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:300-1:800

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

IHC 1:20-1:200

IF/ICC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP

### Species Specificity:

human, mouse, rat, canine

### Cited Species:

human, mouse, rat, canine, zebrafish

**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 : HEK-293 cells, MDCK cells, mouse testis tissue, rat  
testis tissue

IP : mouse testis tissue,

IHC : human endometrial cancer tissue,

IF/ICC : hTERT-RPE1 cells, MDCK cells

## Background Information

Intraflagellar transport (IFT), mediated by molecular motors and IFT particles, is an important transport process that occurs in the cilium. IFT particles are multi-subunit complexes that are made up of complex A and complex B. IFT20 is a component of IFT complex B and involved in ciliary process assembly. It is associated with the Golgi complex and plays a role in the trafficking of ciliary membrane proteins from the Golgi complex to the cilium.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hiroyuki Yamaguchi	32988591	Biochem Biophys Res Commun	WB
Oliva Palander	33124112	FASEB J	IF
Roxane Van Heurck	36334595	Neuron	IF

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

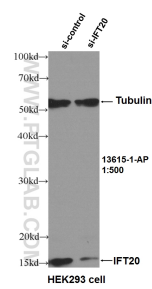
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

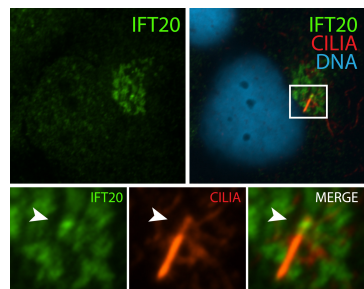
W: [ptgcn.com](http://ptgcn.com)

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

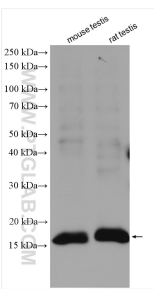
Selected Validation Data



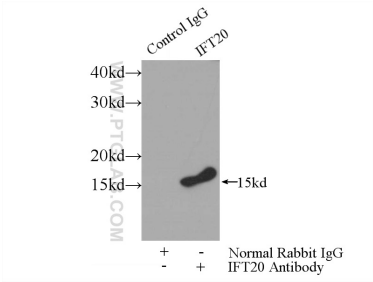
WB result of IFT20 antibody (13615-1-AP, 1:500) with si-Control and si-IFT20 transfected HEK293 cells.



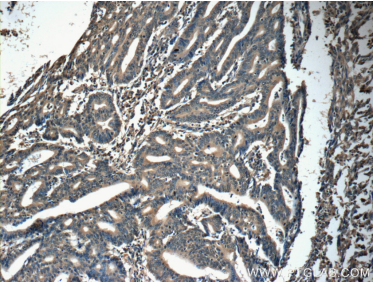
IF result (localization to Golgi-like structures) of anti-IFT20 (13615-1-AP, 1:50) with serum-starved hTERT-RPE1 (MoTH fixed) by Dr. Moshe Kim.



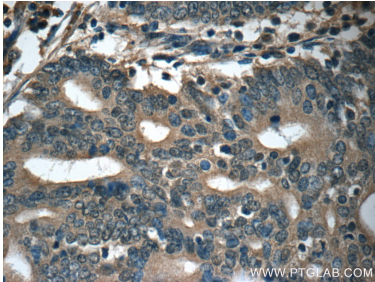
Various lysates were subjected to SDS PAGE followed by western blot with 13615-1-AP (IFT20 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



IP result of anti-IFT20 (IP:13615-1-AP, 3ug; Detection:13615-1-AP 1:700) with mouse testis tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 13615-1-AP (IFT20 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 13615-1-AP (IFT20 Antibody) at dilution of 1:50 (under 40x lens).