

For Research Use Only

IFT140 Polyclonal antibody

Catalog Number: 17460-1-AP

Featured Product

41 Publications



Basic Information

Catalog Number:

17460-1-AP

Size:

150UL, Concentration: 487 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11119

GenBank Accession Number:

BC035577

GeneID (NCBI):

9742

Full Name:

intraflagellar transport 140 homolog (Chlamydomonas)

Calculated MW:

1462 aa, 165 kDa

Observed MW:

140 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IP 0.5-4.0 µg for IP and 1:200-1:1000 for WB

IHC 1:50-1:500

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

CoIP, IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

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 testis tissue, HepG2 cells, rat testis tissue

IP: rat testis tissue,

IHC: mouse testis tissue, human skeletal muscle tissue

Background Information

IFT140 is a subunit of intraflagellar transport complex A (IFT-A) which is involved in retrograde ciliary transport. RT-PCR analysis showed it is highly expressed in kidney, moderately in ovary, testis, prostate, and lung. IFT140 is localised to the base and tip of primary cilium. IFT140 has a pivotal role in development and function of ciliated cells, and mutations of IFT140 cause skeletal, renal, and retinal ciliopathies. It had been detected as a single band around 140-165 kDa in different reports. (PMID: 20368623, 22282595)

Notable Publications

Author	Pubmed ID	Journal	Application
Lei Wang	30258116	Nat Commun	IF
Carol-Anne Martin	25344692	Nat Genet	IF
Yunfan Yang	25342559	Cell Res	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

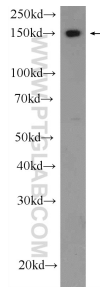
For technical support and original validation data for this product please contact:

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

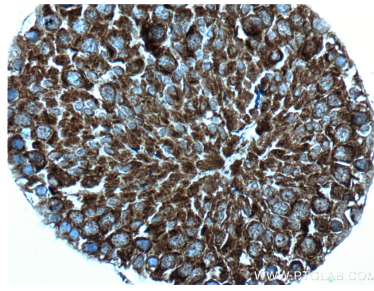
E: proteintech@ptglab.com
W: ptglab.com

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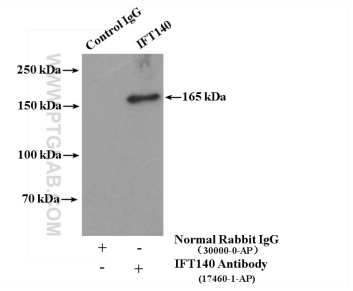
Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 17460-1-AP (IFT140 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 17460-1-AP (IFT140 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-IFT140 (IP:17460-1-AP, 4ug; Detection:17460-1-AP 1:300) with rat testis tissue lysate 4400ug.