

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-IFT81



Numéro de catalogue: 11744-1-AP

Phare

44 Publications

## Informations de base

Numéro de catalogue:  
11744-1-AP

Taille:  
150ul, Concentration: 500 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;

Hôte:  
Lapin

Isotype:  
IgG

Immunogen Catalog Number:  
AG2339

Numéro d'acquisition GenBank:  
BC029349

Identification du gène (NCBI):  
28981

Nom complet:  
intraflagellar transport 81 homolog (Chlamydomonas)

MW calculé  
676 aa, 80 kDa

MW observés:  
75-80 kDa

Méthode de purification:  
Purification par affinité contre l'antigène

Dilutions recommandées:  
WB 1:1000-1:8000  
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB  
IHC 1:20-1:200  
IF 1:20-1:200

## Applications

Applications testées:  
IF, IHC, IP, WB, ELISA

Demandes citées:  
CoIP, IF, IHC, WB

Spécificité de l'espèce:  
Humain, rat, souris

Espèces citées:  
Humain, rat, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.**

Contrôles positifs:

WB : tissu cérébral de souris, cellules HEK-293, tissu cérébral humain, tissu testiculaire de rat, tissu testiculaire de souris

IP : tissu cérébral de souris,

IHC : tissu de cancer de la prostate humain,

IF : cellules hTERT-RPE1, cellules C2C12, cellules MDCK

## Informations générales

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. IFT particles are multi-subunit complexes of proteins that function to move non-membrane-bound particles from the cell body to the tip of cilium or flagellum, then return them to the cell body. Transport towards the ciliary tip is regulated by the IFT complex B (IFT-B), consisting of at least 15 IFT proteins, in association with kinesin motors, whereas transport from the ciliary tip back to the base is executed by a dynein motor in association with the IFT complex A (IFT-A), currently known to be composed of six IFT proteins. IFT81 is a subunit of IFT complex B. It may play a role in development of the testis and spermatogenesis. There are some isoforms of IFT81 with 73-78 kDa and 43-50 kDa.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Yong Zhang	28964737	Dev Biol	WB
Ivan Duran	27666822	Sci Rep	WB,IF
Malavika Raman	26389662	Nat Cell Biol	WB

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

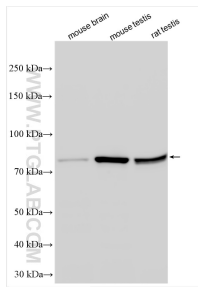
For technical support and original validation data for this product please contact:

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

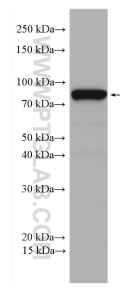
E: proteintech@ptglab.com  
W: ptglab.com

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

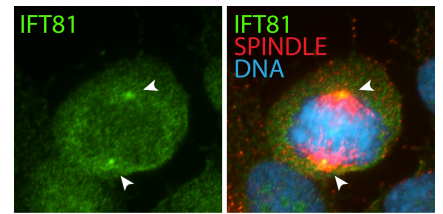
# Données de validation sélectionnées



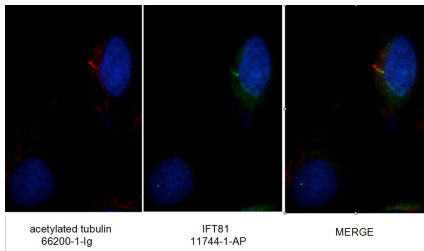
Various lysates were subjected to SDS PAGE followed by western blot with 11744-1-AP (IFT81 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



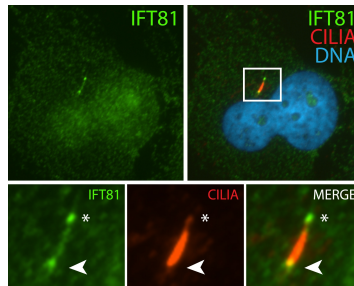
mouse testis tissue were subjected to SDS PAGE followed by western blot with 11744-1-AP (IFT81 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



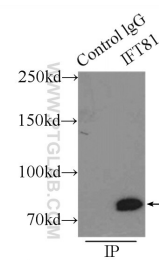
IF result (localization to the spindle poles) of anti-IFT81 (11744-1-AP, 1:50) with metaphase hTERT-RPE1 cells (MeOH fixed) by Dr. Moshe Kim.



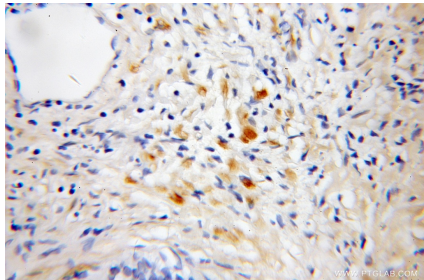
Immunofluorescent images of MDCK cells stained with IFT81 rabbit pAb (11744-1-AP) and acetylated tubulin mouse mAb (66200-1-Ig) at dilution of 1:50, further stained with Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) for IFT81, and Rhodamine-Goat anti-rabbit IgG for 66200-1-Ig.



IF result (the base and tip of cilia) of anti-IFT81 (11744-1-AP, 1:50) with serum-starved hTERT-RPE1 (PFA fixed) by Dr. Moshe Kim.



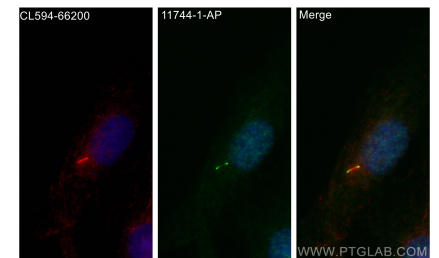
IP Result of anti-IFT81 (IP:11744-1-AP, 3ug; Detection:11744-1-AP 1:500) with mouse brain tissue lysate 7500ug.



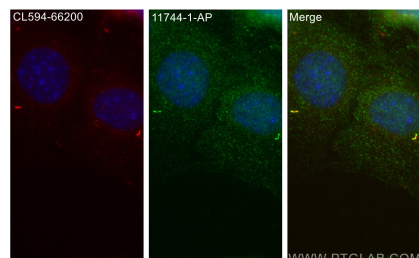
Immunohistochemical analysis of paraffin-embedded human prostate cancer using 11744-1-AP (IFT81 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (4% PFA) fixed hTERT-RPE1 cells using IFT81 antibody (11744-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), acetylated Tubulin(Lys40) antibody (66200-1-Ig, Clone: 7E5H8, red).



Immunofluorescent analysis of (4% PFA) fixed MDCK cells using IFT81 antibody (11744-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CoraLite@594 acetylated Tubulin(Lys40) antibody (CL594-66200, Clone: 7E5H8, red).



Immunofluorescent analysis of (4% PFA) fixed C2C12 cells using IFT81 antibody (11744-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CoraLite®594 acetylated Tubulin(Lys40) antibody (CL594-66200, Clone: 7E5H8, red).