Nur für Forschungszwecke

IFT81 Polyklonaler Antikörper

Katalog-Nr.:11744-1-AP Vorgestelltes Produkt 43 Publikationen

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Allgemeine Informationen

Katalog-Nr.:
11744-1-AP

Größe:
150ul , Konzentration: 500 μg/ml von Nanodrop und 333 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG2339

GenBank-Zugangsnummer:
BC029349

GeneID (NCBI):
28981

Vollständiger Name:
intraflagellar transport 81 homolog (Chlamydomonas)

Berechneté Masse:
676 aa, 80 kDa

Beobachteté Masse:
75-80 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:1000-1:8000
IP 0.5-4.0 ug für IP und 1:500-1:1000 für WB
IHC 1:20-1:200
IF 1:20-1:200

Anwendungen

Geprüfte Anwendungen:
IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
CoIP, IF, IHC, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : Maushirngewebe, HEK-293-Zellen, humanes Hirngewebe, Maushodengewebe, Rattenhodengewebe

IP : Maushirngewebe,

IHC : humanes Prostatakarzinomgewebe,

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

Hintergrundinformationen

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 functions 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.

Bemerkenswerte Veröffentlichungen

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

Lagerung

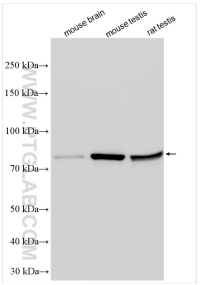
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

*** 20ul-Größen enthalten 0.1% BSA

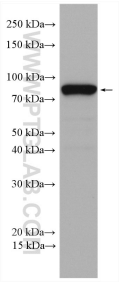
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

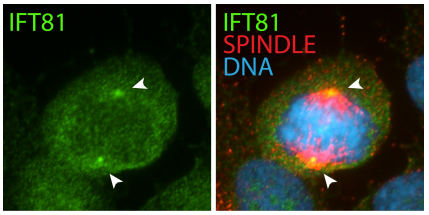
Ausgewählte Validierungsdaten



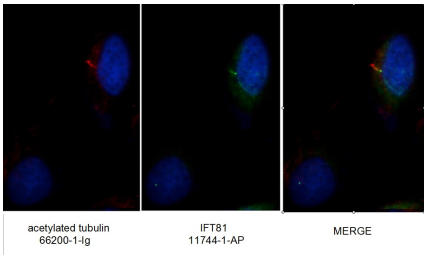
Various lysates were subjected to SDS PAGE followed by western blot with 11744-1-AP (IFT81 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



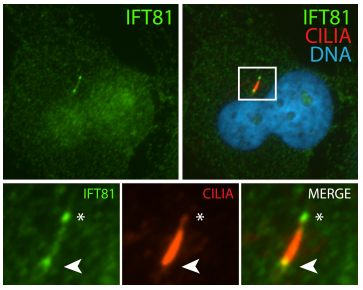
mouse testis tissue were subjected to SDS PAGE followed by western blot with 11744-1-AP (IFT81 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



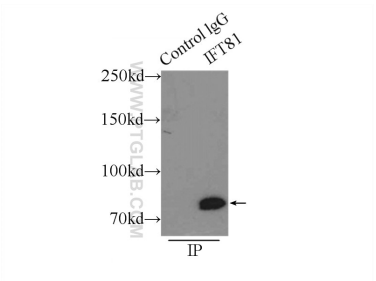
IF result (localization to the spindle poles) of anti-IFT81 (11744-1-AP, 1:50) with metaphase hTERT-RPE1 cells (MeOH fixed) byDr. Moshe Kim.



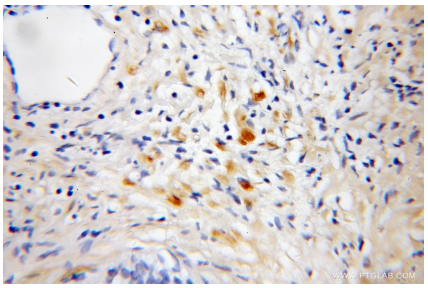
Immunofluorescent images of MDCK cells stained with IFT81 rabbit pAb (11744-1-AP) and acetylated tubulin mouse mAb (66200-1-Ig) at dilution of 1:50, further stained with Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) for IFT81, and Rhodamine-Goat anti-rabbit IgG for 66200-1-Ig.



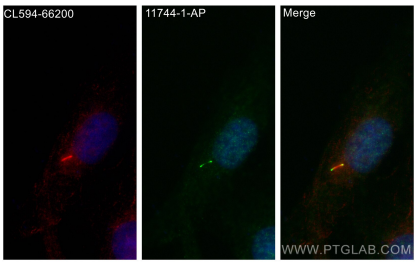
IF result (the base and tip of cilia) of anti-IFT81 (11744-1-AP, 1:50) with serum-starved hTERT-RPE1 (PFA fixed) by Dr. Moshe Kim.



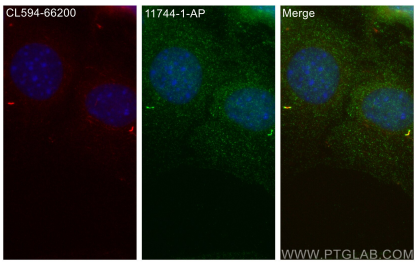
IP Result of anti-IFT81 (IP:11744-1-AP, 3ug; Detection:11744-1-AP 1:500) with mouse brain tissue lysate 7500ug.



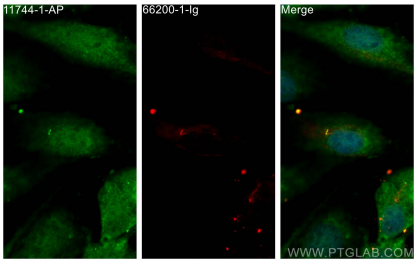
Immunohistochemical analysis of paraffin-embedded human prostate cancer using 11744-1-AP (IFT81 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (4% PFA) fixed 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).



Immunofluorescent analysis of (4% PFA) fixed MDCK 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).