

For Research Use Only

ARL3 Polyclonal antibody

Catalog Number: 10961-1-AP

Featured Product

16 Publications



Basic Information

Catalog Number: 10961-1-AP	GenBank Accession Number: BC009841	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop;	GeneID (NCBI): 403	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:50-1:500 IF 1:200-1:800
Source: Rabbit	UNIPROT ID: P36405	
Isotype: IgG	Full Name: ADP-ribosylation factor-like 3	
Immunogen Catalog Number: AG1406	Calculated MW: 20 kDa	
	Observed MW: 20 kDa, 25 kDa	

Applications

Tested Applications:

WB, IF, IHC, ELISA

Cited Applications:

WB, IP, IF, IHC

Species Specificity:

human, mouse, rat, canine

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 brain tissue, PC-3 cells, human brain tissue, mouse testis tissue, rat brain tissue, HeLa cells, rat testis tissue

IHC : human testis tissue, mouse testis tissue

IF : MDCK cells, IMCD3 cells, hTERT-RPE1 cells

Background Information

ARL3 (ADP-ribosylation factor-like 3) is a member of the ADP-ribosylation factor family of GTP-binding proteins. ARL3 binds guanine nucleotides but lacks ADP-ribosylation factor activity. ARL3 is believed to be involved in ciliary and microtubule-dependent processes.

Notable Publications

Author	Pubmed ID	Journal	Application
Louise A Stephen	30220567	Dev Cell	IF
Mingyue Jin	25342295	Nat Commun	WB,IF, IP
Hao-Long Zeng	29174846	Biochim Biophys Acta	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

*** 20ul sizes contain 0.1% BSA

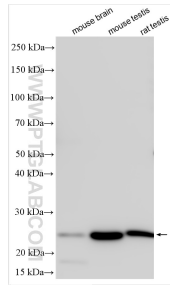
For technical support and original validation data for this product please contact:

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

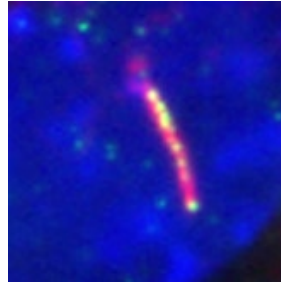
E: proteintech@ptglab.com
W: ptglab.com

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

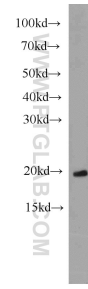
Selected Validation Data



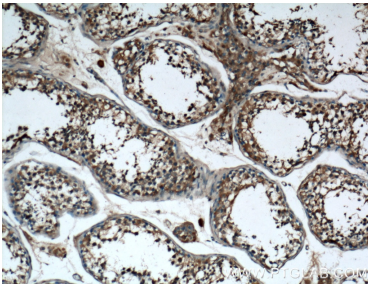
Various lysates were subjected to SDS PAGE followed by western blot with 10961-1-AP (ARL3 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



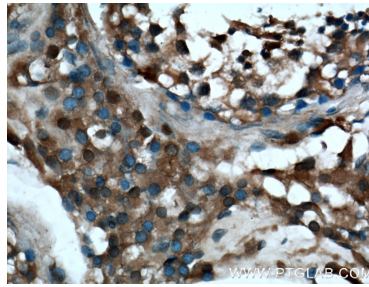
IF result of 10961-1-AP (anti-ARL3, Green) in ciliated IMCD3 cells by Dr. Seongjin Seo. (Red is the primary cilium, and blue is the nucleus).



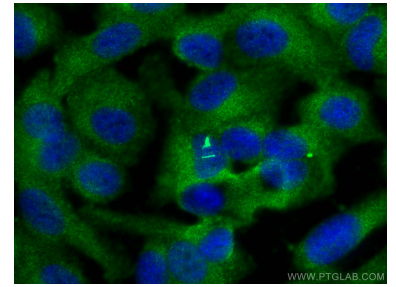
HeLa cells were subjected to SDS PAGE followed by western blot with 10961-1-AP (ARL3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



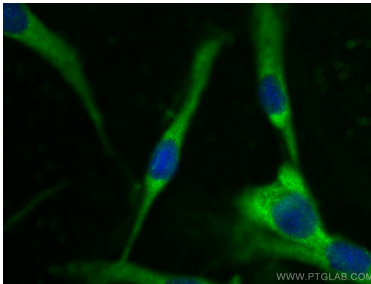
Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 10961-1-AP (ARL3 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 10961-1-AP (ARL3 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed hTERT-RPE1 cells using ARL3 antibody (10961-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Methanol) fixed MDCK cells using ARL3 antibody (10961-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).