

For Research Use Only

# ARL3 Polyclonal antibody

Catalog Number: 10961-1-AP

Featured Product

20 Publications



## Basic Information

### Catalog Number:

10961-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1406

### GenBank Accession Number:

BC009841

### GeneID (NCBI):

403

### UNIPROT ID:

P36405

### Full Name:

ADP-ribosylation factor-like 3

### Calculated MW:

20 kDa

### Observed MW:

20 kDa, 25 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:1000-1:8000

IHC: 1:50-1:500

IF/ICC: 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC, IF, IP

### 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/ICC** : 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, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

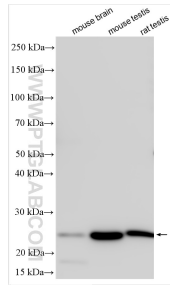
For technical support and original validation data for this product please contact:

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

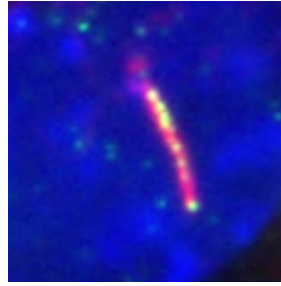
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

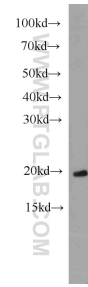
## Selected Validation Data



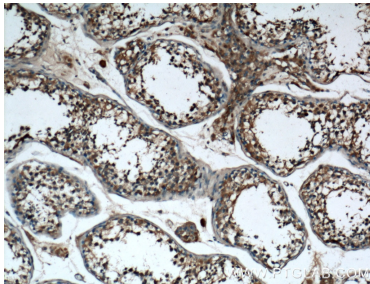
Various lysates were subjected to SDS PAGE followed by western blot with 10961-1-AP (ARL3 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



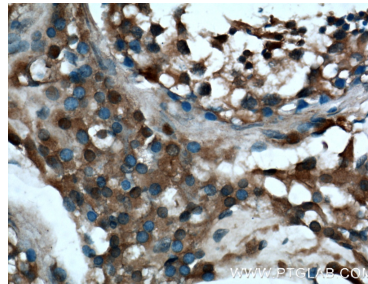
IF result of 10961-1-AP (anti-ARL3, Green) in ciliated IMCD3 cells by Dr. Seongjin Seo. (Red is the primary cilium, and blue is the nucleus).



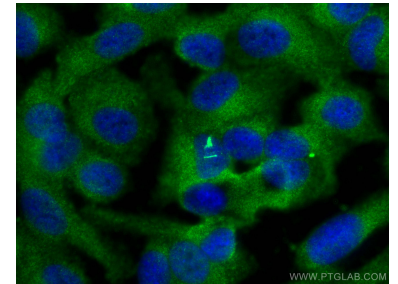
HeLa cells were subjected to SDS PAGE followed by western blot with 10961-1-AP (ARL3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



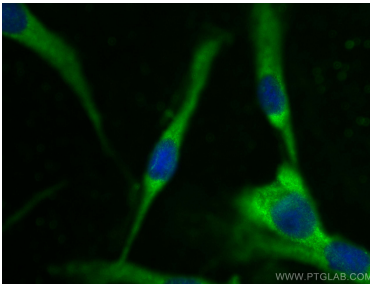
Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 10961-1-AP (ARL3 Antibody) at dilution of 1:200 (under 10x lens).



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).