

For Research Use Only

# ARF5 Polyclonal antibody

Catalog Number: 15281-1-AP

Featured Product

1 Publications



## Basic Information

### Catalog Number:

15281-1-AP

### Size:

150ul, Concentration: 140 ug/ml by Nanodrop and 140 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG7400

### GenBank Accession Number:

BC003043

### GeneID (NCBI):

381

### UNIPROT ID:

P84085

### Full Name:

ADP-ribosylation factor 5

### Calculated MW:

21 kDa

### Observed MW:

21 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human

### Positive Controls:

IP: MCF-7 cells,

IHC: human breast cancer tissue,

IF/ICC: HeLa cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

ADP-ribosylation factors (ARFs) are members of the ARF family of GTP-binding proteins of the Ras superfamily. ARFs bind and regulate GTP/GDP cycle by alternating between the active GTP-bound and inactive GDP-bound conformations. ARF family proteins are essential and ubiquitous in eukaryotes. Six highly conserved members of the family have been identified in mammalian cells. They function in vesicular traffic and actin remodelling and other bioprocesses in cells. ARF4 and ARF5 are class II ARFs. (PMID: 7759471, PMID: 16042562). This antibody can bind ARFs for the close sequences.

## Notable Publications

Author	Pubmed ID	Journal	Application
Feifeng Song	37458957	J Physiol Biochem	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

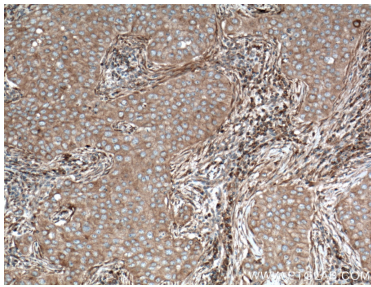
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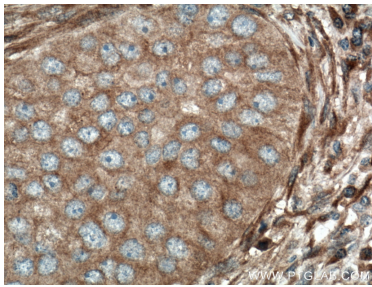
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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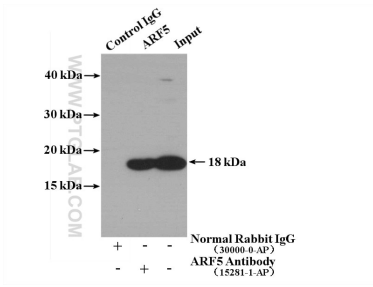
Selected Validation Data



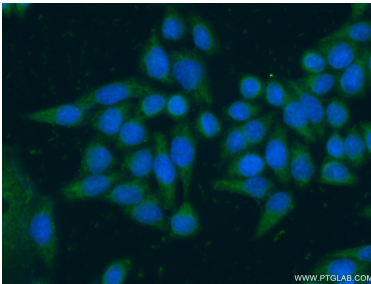
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15281-1-AP (ARF5 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15281-1-AP (ARF5 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



IP result of anti-ARF5 (IP:15281-1-AP, 4ug; Detection:15281-1-AP 1:500) with MCF-7 cells lysate 2840 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 15281-1-AP (ARF5 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).