

## ARF5 Polyclonal antibody

Catalog Number: 15281-1-AP

1 Publications

## Basic Information

## Catalog Number:

15281-1-AP

## Size:

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

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG7400

## GenBank Accession Number:

BC003043

## GeneID (NCBI):

381

## Full Name:

ADP-ribosylation factor 5

## Calculated MW:

21 kDa

## Observed MW:

21 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

IF 1:50-1:500

## Applications

## Tested Applications:

IF, IHC, IP, WB, ELISA

## Cited Applications:

WB

## Species Specificity:

human, mouse, Rat

## Cited Species:

human

**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: MCF-7 cells, HeLa cells, human liver tissue, PC-12 cells, Raji cells, mouse brain tissue

IP: MCF-7 cells,

IHC: human breast cancer tissue,

IF: HeLa cells,

## 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

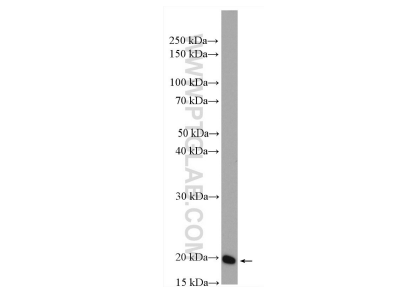
For technical support and original validation data for this product please contact:

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

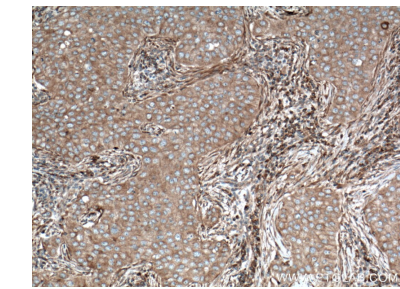
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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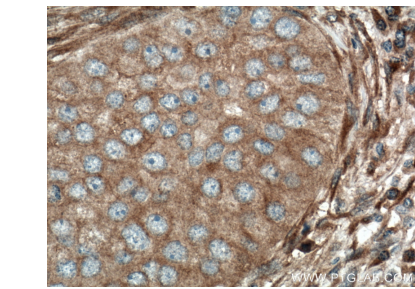
Selected Validation Data



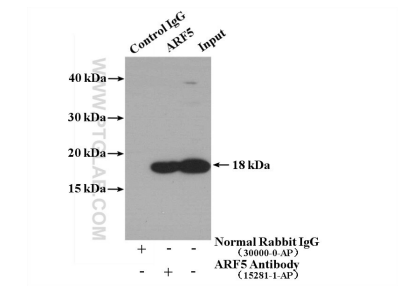
MCF-7 cells were subjected to SDS PAGE followed by western blot with 15281-1-AP (ARF5 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



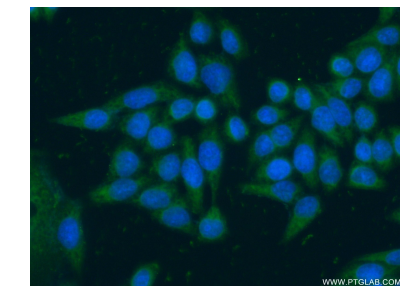
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15281-1-AP (ARF5 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 AffiniPure Goat Anti-Rabbit IgG(H+L).