

ARF5 Polyclonal antibody

Catalog Number: 15281-1-AP

Featured Product

1 Publications

Basic Information

Catalog Number:

15281-1-AP

Size:

140 µg/ml

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 µg 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

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:

IP: MCF-7 cells,

IHC: human breast cancer tissue,

IF/ICC: 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

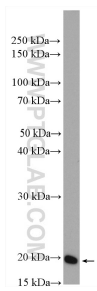
For technical support and original validation data for this product please contact:

T: 4006900926

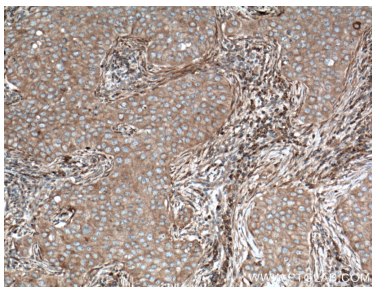
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

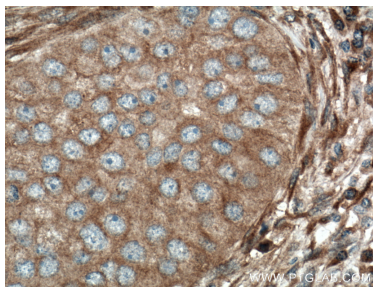
Selected Validation Data



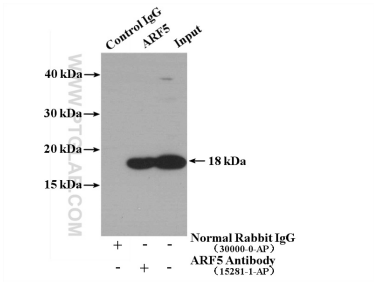
MCF-7 cells were subjected to SDS PAGE followed by western blot with 15281-1-AP (ARF5 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



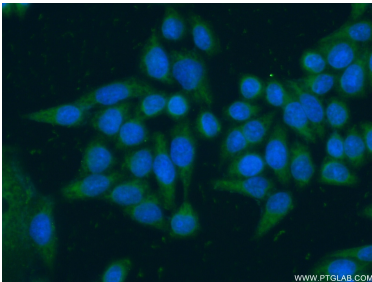
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15281-1-AP (ARF5 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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℃ 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).