

For Research Use Only

ARF5 Polyclonal antibody

Catalog Number: 15281-1-AP **1 Publications**



Basic Information

Catalog Number: 15281-1-AP	GenBank Accession Number: BC003043	Purification Method: Antigen affinity purification
Size: 140 µg/ml	GeneID (NCBI): 381	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: P84085	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: ADP-ribosylation factor 5	IHC 1:50-1:500
Immunogen Catalog Number: AG7400	Calculated MW: 21 kDa	IF 1:50-1:500
	Observed MW: 21 kDa	

Applications

Tested Applications: IF/ICC, IHC, IP, WB, ELISA	Positive Controls: WB : MCF-7 cells, HeLa cells, human liver tissue, PC-12 cells, Raji cells, mouse brain tissue
Cited Applications: WB	IP : MCF-7 cells,
Species Specificity: human, mouse, Rat	IHC : human breast cancer tissue,
Cited Species: human	IF : 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

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

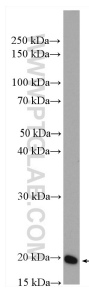
T: 4006900926

E: Proteintech-CN@ptglab.com

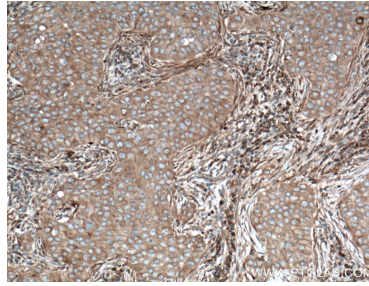
W: ptgcn.com

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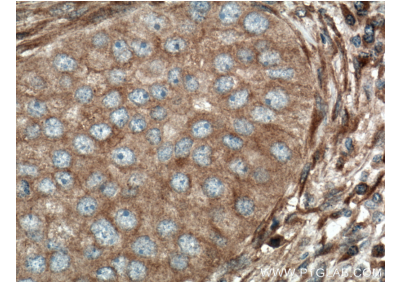
Selected Validation Data



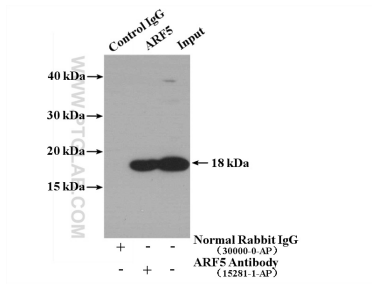
MCF-7 cells were subjected to SDS PAGE followed by western blot with 15281-1-AP (ARF5 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



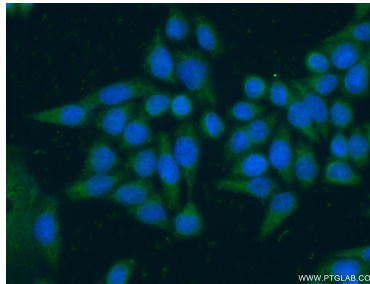
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15281-1-AP (ARF5 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).