## For Research Use Only

# ARFGAP3 Polyclonal antibody

Catalog Number: 15293-1-AP

Featured Product

4 Publications



**Basic Information** 

Catalog Number:

15293-1-AP

Size:

GeneID (NCBI):

750 ug/ml

26286

Source:

Rabbit

UNIPROT ID:

Rabotype:

Full Name:

IgG ADP-ribosylation factor GTPase

Immunogen Catalog Number: activating protein 3
AG7536 Calculated MW:
57 kDa

Observed MW: 57-66 kDa Purification Method:

Antigen affinity purification Recommended Dilutions:

WB 1:1000-1:4000 IP 0.5-4.0 ug for 1.0-3.0 mg of total

protein lysate IHC 1:20-1:200 IF/ICC 1:200-1:800

**Applications** 

Tested Applications: WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity: human, mouse, rat 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: HepG2 cells, mouse brain tissue, Jurkat cells

IP: HepG2 cells,

IHC: human breast cancer tissue, IF/ICC: A431 cells, HepG2 cells

# Background Information

ARFGAP3, also named as ADP-ribosylation factor GTPase-activating protein 3, is a 516 amino acid protein, which is Widely expressed with Highest expression in endocrine glands (pancreas, pituitary gland, salivary gland, and prostate). ARFGAP3 is a GTPase-activating protein (GAP) for ADP ribosylation factor 1 (ARF1). Hydrolysis of ARF1-bound GTP may lead to dissociation of coatomer from Golgi-derived membranes to allow fusion with target membranes. The calculated molecular weight of ARFGAP3 is 57 kDa, but modified ARFGAP3 is about 57-66 kDa.

#### **Notable Publications**

Author	Pubmed ID	Journal	Application
Xihua Yue	34493279	BMC Biol	WB
Xihua Yue	34876695	Commun Biol	WB
Suting Li	36476390	Cell Signal	IF

Storage

Storage:

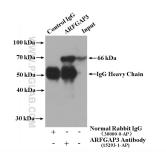
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

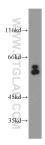
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

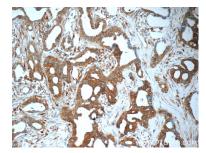
## **Selected Validation Data**



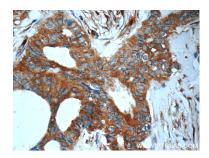
IP result of anti-ARFGAP3 (IP:15293-1-AP, 4ug; Detection:15293-1-AP 1:2000) with HepG2 cells lysate 3000 ug.



HepG2 cells were subjected to SDS PAGE followed by western blot with 15293-1-AP (ARFGAP3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 15293-1-AP (ARFGAP3 Antibody) at dilution of 1:50 (under 10x lens).



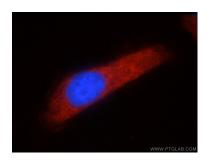
Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 15293-1-AP (ARFGAP3 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using ARFGAP3 antibody (15293-1-AP) at dilution of 1:400 and Coralite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), Coralite® 594 Beta Actin antibody (CL594-66009, Clone: 2D4H5, red).



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using ARFGAP3 antibody (15293-1-AP) at dilution of 1:400 and Coralite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CoraLite® 594 Beta Actin antibody (CL594-66009, Clone: 2D4H5, red).



Immunofluorescent analysis of A431 cells using 15293-1-AP (ARFGAP3 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.