

## ARFGAP1 Polyclonal Antibody

Catalog number: 13571-1-AP

Size: 62 µg/150 µl

Source: Rabbit

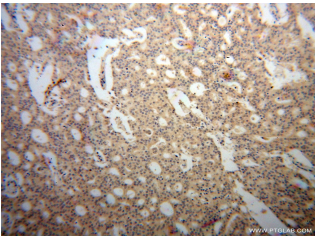
Isotype: IgG

Synonyms:

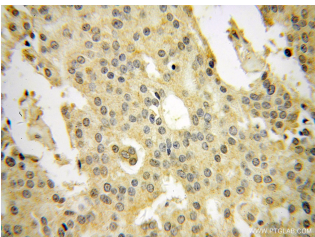
ARFGAP1; ARF GAP 1, ARF1

GAP, ARF1GAP, ARFGAP1,

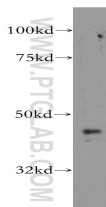
HRIHFB2281



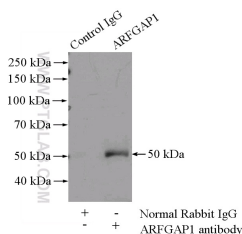
Immunohistochemical of paraffin-embedded human prostate cancer using 13571-1-AP (ARFGAP1 antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human prostate cancer using 13571-1-AP (ARFGAP1 antibody) at dilution of 1:100 (under 40x lens)



PC-3 cells were subjected to SDS PAGE followed by western blot with 13571-1-AP (ARFGAP1 antibody) at dilution of 1:400



IP Result of anti-ARFGAP1

### Background

Protein coats deform flat lipid membranes into buds and capture membrane proteins to form transport vesicles. The assembly-disassembly cycle of the COPI coat on Golgi membranes is coupled to the GTP-GDP cycle of the small G protein ARF1. ARFGAP1 contributes to vesicle budding by increasing the GTPase activity of ARF1, because it promotes hydrolysis of the ARF1-bound GTP and thus, is required for the dissociation of coat proteins from Golgi-derived membranes and vesicles, a prerequisite for vesicle's fusion with target compartment. for ARFGAP1 may has a role in regulating the GTPase activity and neuronal toxicity of LRRK2; reciprocally, LRRK2 phosphorylates ArfGAP1 and is required for ArfGAP1 neuronal toxicity.

### Applications

Tested applications:	ELISA, WB, IHC, IP
Cited applications:	IF, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse, rat
Calculated ARFGAP1 MW:	414aa, 46 kDa
Observed ARFGAP1 MW:	46kd, 50k
Positive WB detected in	PC-3 cells, HeLa cells, human brain tissue
Positive IP detected in	Mouse testis tissue
Positive IHC detected in	Human prostate cancer tissue
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag4468
GenBank accession number:	BC028233
Gene ID (NCBI):	55738
Full name:	ADP-ribosylation factor GTPase activating protein 1

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

(IP:13571-1-AP, 4ug;  
Detection:13571-1-AP 1:500)  
with mouse testis tissue lysate  
4000ug.