

ARF4 Polyclonal Antibody

Catalog number: 11673-1-AP

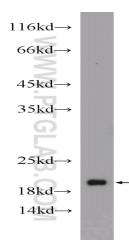
Size: 20 µg/150 µl

Source: Rabbit

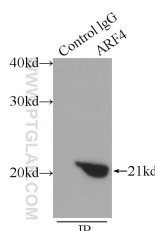
Isotype: IgG

Synonyms:

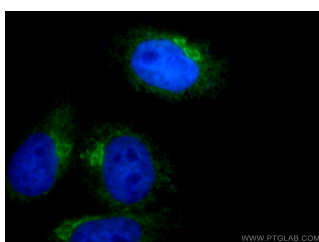
ARF4; ADP ribosylation factor
4, ARF2, ARF4



mouse brain tissue were subjected to SDS PAGE followed by western blot with 11673-1-AP(ARF4 Antibody) at dilution of 1:800



IP Result of anti-ARF4 (IP:11673-1-AP, 3ug; Detection:11673-1-AP 1:600) with mouse brain tissue lysate 5200ug.



Immunofluorescent analysis of HepG2 cells using 11673-1-AP(ARF4 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Background

ARF4, also named as ARF2, belongs to the small GTPase superfamily and Arf family. ADP-ribosylation factors (ARFs) are members of the ARF family of GTP-binding proteins of the Ras superfamily, with 20 kDa protein size. 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. Their function are not fully described. (PMID: 7759471, PMID: 16042562). This antibody can bind ARFs for the close sequences.

Applications

Tested applications:	ELISA, WB, IHC, IP, IF, FC
Cited applications:	IF, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated ARF4 MW:	180aa, 21 kDa
Observed ARF4 MW:	21 kDa
Positive WB detected in	Mouse brain tissue, HeLa cells, HepG2 cells, human brain tissue, rat brain tissue
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human breast cancer tissue, human colon cancer tissue
Positive IF detected in	HepG2 cells
Positive FC detected in	K-562 cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:20-1:200 FC: N/A

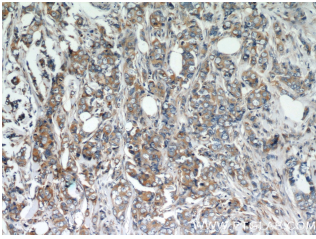
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

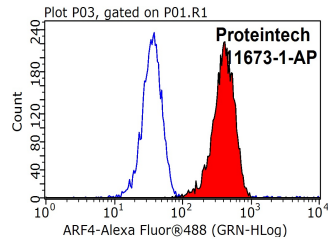
Immunogen:	Ag2272
GenBank accession number:	BC003364
Gene ID (NCBI):	378
Full name:	ADP-ribosylation factor 4

Product information

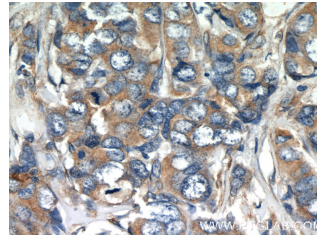
Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



Immunohistochemistry of paraffin-embedded human breast cancer slide using 11673-1-AP (ARF4 Antibody) at dilution of 1:50 (under 10x lens)



1X10⁶ K-562 cells were stained with 0.2ug ARF4 antibody (11673-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



Immunohistochemistry of paraffin-embedded human breast cancer slide using 11673-1-AP (ARF4 Antibody) at dilution of 1:50 (under 40x lens)