ARF1 antibody

Product Information

Catalog No.:	FNab00529
Size:	100μg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20℃ for 12 months(Avoid repeated freeze / thaw cycles.)

Background

GTP-binding protein that functions as an allosteric activator of the cholera toxin catalytic subunit, an ADP-ribosyltransferase. Involved in protein trafficking among different compartments. Modulates vesicle budding and uncoating within the Golgi complex. Deactivation induces the redistribution of the entire Golgi complex to the endoplasmic reticulum, suggesting a crucial role in protein trafficking. In its GTP-bound form, its triggers the association with coat proteins with the Golgi membrane. The hydrolysis of ARF1-bound GTP, which is mediated by ARFGAPs proteins, is required for dissociation of coat proteins from Golgi membranes and vesicles. The GTP-bound form interacts with PICK1 to limit PICK1-mediated inhibition of Arp2/3 complex activity; the function is linked to AMPA receptor(AMPAR) trafficking, regulation of synaptic plasicity of excitatory synapses and spine shrinkage during long-term depression(LTD).

Immunogen information

Immunogen:	ADP-ribosylation factor 1
Synonyms:	ADP-ribosylation factor 1|ARF1
Observed MW:	21 kDa
Uniprot ID :	P84077

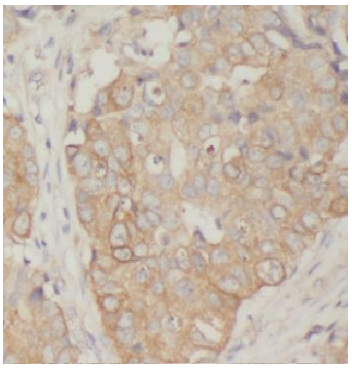
Application

Reactivity:	Human, Mouse

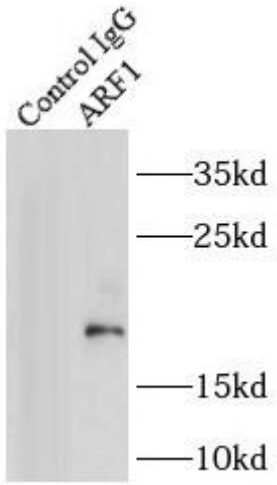
Tested Application: ELISA, WB, IF, IHC, IP

Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:1000; IHC: 1:20-1:200; IF: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human small intestine tissue slide using FNab00529(ARF1 Antibody) at dilution of 1:50



IP Result of anti-ARF1 (IP:FNab00529, 3ug; Detection:FNab00529 1:600) with HeLa cells lysate 2440ug.

HeLa cells were subjected to SDS PAGE followed by western blot with FNab00529(ARF1 antibody) at dilution of 1:500