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Datasheet for ABIN3029877 anti-ARF1 antibody (AA 80-106)

3 Images



Overview

Quantity:	0.4 mL
Target:	ARF1
Binding Specificity:	AA 80-106
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARF1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 80-106 from the human protein was used as the immunogen for this ARF1 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat, Bovine, Primate, Xenopus
Purification:	Antigen affinity purified

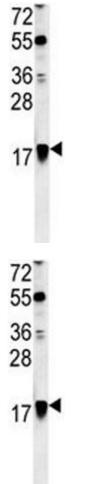
Target Details

Target:	ARF1
Alternative Name:	ARF1 (ARF1 Products)
Background:	ARF1 is a GTP-binding protein that functions as an allosteric activator of the cholera toxin

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	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). [UniProt]
UniProt:	P84077
Pathways:	Transition Metal Ion Homeostasis, Inositol Metabolic Process
Application Details	
Application Notes:	Titration of the ARF1 antibody may be required due to differences in protocols and
	secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the ARF1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw
	cycles.





Immunohistochemistry

Image 1. ARF1 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue.

Western Blotting

Image 2. ARF1 antibody western blot analysis in Ramos lysate

Western Blotting

Image 3. ARF1 antibody western blot analysis in Ramos lysate

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