

Datasheet for ABIN7143445
anti-ARF1 antibody (AA 2-181) (HRP)



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Overview

Quantity:	100 µg
Target:	ARF1
Binding Specificity:	AA 2-181
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARF1 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human ADP-ribosylation factor 1 protein (2-181AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ARF1
Alternative Name:	ARF1 (ARF1 Products)
Background:	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

Target Details

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, it 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 (AMPA) trafficking, regulation of synaptic plasticity of excitatory synapses and spine shrinkage during long-term depression (LTD).

Aliases: ADP Ribosylation Factor 1 antibody, ADP-ribosylation factor 1 antibody, ARF 1 antibody, ARF1 antibody, ARF1_HUMAN antibody

UniProt:	P84077
Pathways:	Transition Metal Ion Homeostasis , Inositol Metabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, -80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.