



# Anti-ARFGAP1 monoclonal antibody, clone 3D21 (DCABH-738)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to ARFGAP1
<b>Antigen Description</b>	GTPase-activating protein (GAP) for the ADP ribosylation factor 1 (ARF1). Involved in membrane trafficking and /or vesicle transport. 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 vesicles fusion with target compartment. Probably regulates ARF1-mediated transport via its interaction with the KDEL proteins and RNP24. Overexpression induces the redistribution of the entire Golgi complex to the endoplasmic reticulum, as when ARF1 is deactivated. Its activity is stimulated by phosphoinositides and inhibited by phosphatidylcholine.
<b>Immunogen</b>	Recombinant full length protein of Human ARFGAP1 produced in HEK293T cells (NP_783202).
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	3D21
<b>Purity</b>	Protein A purified
<b>Purification</b>	This antibody is purified from Mouse ascites fluid by affinity chromatography.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF
<b>Positive Control</b>	HK293T cell lysate transfected with pCMV6-ENTRY ARFGAP1; COS7 cells transiently transfected by pCMV6-ENTRY ARFGAP1.

<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 48% PBS, 1% BSA, 50% Glycerol
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Ship</b>	Shipped at 4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ARFGAP1 ADP-ribosylation factor GTPase activating protein 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	ARFGAP1
<b>Synonyms</b>	ARFGAP1; ADP-ribosylation factor GTPase activating protein 1; ADP ribosylation factor 1 GTPase activating protein , ARF1GAP; ADP-ribosylation factor GTPase-activating protein 1; bA261N11.3; FLJ10767; ARF1 GAP; ARF GAP 1; GAP protein; ARF1-directed GTPase-
<b>Entrez Gene ID</b>	<a href="#">55738</a>
<b>Protein Refseq</b>	<a href="#">NP_060679</a>
<b>UniProt ID</b>	<a href="#">Q8N6T3</a>
<b>Chromosome Location</b>	20q13.33
<b>Pathway</b>	Activation of Chaperone Genes by XBP1(S), organism-specific biosystem; Activation of Chaperones by IRE1alpha, organism-specific biosystem; Arf1 pathway, organism-specific biosystem; COPI Mediated Transport, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Endocytosis, organism-specific biosystem;
<b>Function</b>	ARF GTPase activator activity; metal ion binding; zinc ion binding;