Datasheet for ABIN1696987

anti-ARFGEF1 antibody (AA 1-200) (Alexa Fluor 555)

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Overview

Quantity:	100 µL
Target:	ARFGEF1
Binding Specificity:	AA 1-200
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARFGEF1 antibody is conjugated to Alexa Fluor 555
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human BIG1/ARFGEF1
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Cow,Sheep,Pig,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	ARFGEF1
Alternative Name:	BIG1/ARFGEF1 (ARFGEF1 Products)

Target Details

Background:	Synonyms: ADPribosylation factor guanine nucleotide exchange factor 1brefeldin A inhibited, ARFGEF1, ARFGEP1, Brefeldin A inhibited GEP 1, Brefeldin A inhibited guanine nucleotide exchange protein 1, p200 ARF GEP1, p200 ARF guanine nucleotide exchange factor, BIG1_HUMAN. Background: Guanine nucleotide-exchange proteins (GEPs) accelerate replacement of bound GDP with GTP and thereby activate ADP-ribosylation factors (ARFs), a family of guanine nucleotide-binding proteins that play an important role in intracellular vesicular trafficking. GEPs comprise two major families, large GEPs that are inhibited by brefeldin A (BFA), a protein that effects Golgi structure and a group of smaller GEPs that are insenstive to BFA. Two genes for GEPs found on human chromosomes 8 and 20 encode BFA sensitive GEPs designated BIG1 and BIG2. Both GEPS contain a sec7 domain that is responsible for their brefeldin inhibition and also their catalytic activity. In vivo, BIG1 and BIG2 exist in macromolecular complexes that move between the Golgi membranes and cytosol. BIG2 associates with PKA regulatory subunits, implying that BIG2 may act as an A kinase-anchoring protein (AKAP) that could coordinate the cAMP and ARF regulatory pathways.
Gene ID:	10565
Pathways:	Regulation of Actin Filament Polymerization, Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months