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Datasheet for ABIN755055

Overview

Target:

Alternative Name:





anti-RPH3AL antibody (AA 25-130) (Biotin)

RPH3AL

RPH3AL (RPH3AL Products)

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Quantity:	100 μL
Target:	RPH3AL
Binding Specificity:	AA 25-130
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPH3AL antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))
Product Details	
Immunogen:	KLH conjugated synthetic peptide derived from human RPH3AL
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Cow,Chicken,Rabbit
Purification:	Purified by Protein A.
Target Details	

Target Details

Background:	Synonyms: Noc2, Rab effector Noc2, Rabphilin 3A-like without C2 domains, Rabphilin 3A-like,
	Rabphilin-3A-like protein, RPH3AL, RPH3L_HUMAN, No C2 domains protein, Gm1753.
	Background: Rabphilin-3AL (rabphilin-3A-like), also known as RPH3AL or NOC2, is a
	cytoplasmic Rab GTPase effector. It contains one FYVE-type zinc finger and one Rab-binding
	(RBD) domain, but unlike its related protein, rabphilin-3A, rabphilin-3AL does not contain any C2
	domains. Rabphilin-3AL is expressed in a variety of tissues, with highest levels found in kidney,
	skeletal muscle, pancreas, liver, ovary, stomach, heart and thyroid. It is believed to play a role
	regulating calcium-dependent secretory vesicle exocytosis in endocrine and exocrine cells. Via
	its RBD domain, rabphilin-3AL is capable of binding Rab 27a and, through this interaction,
	rabphilin-3AL is recruited to dense-core vesicles. With lower affinity, rabphilin-3AL can also bind
	Rab 3 and Rab 8 with its RBD domain. Through an interaction with Rab 3, rabphilin-3AL can
	inhibit G-protein signaling in endocrine pancreas and positively regulate insulin secretion.
	Rabphilin-3AL knockout mice display accumulation of secretory granules and irregular shape in
	exocrine cells.
Gene ID:	9501
Pathways:	Carbohydrate Homeostasis, Regulation of G-Protein Coupled Receptor Protein Signaling
Application Details	
Application Notes:	WB 1:300-5000
	IHC-P 1:200-400
	IHC-F 1:100-500
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.
Storage:	-20 °C

Handling

Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months