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Datasheet for ABIN755057
anti-RPH3AL antibody (AA 25-130) (Cy5)

Overview

Quantity:	100 µL
Target:	RPH3AL
Binding Specificity:	AA 25-130
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPH3AL antibody is conjugated to Cy5
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

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:	RPH3AL
Alternative Name:	RPH3AL (RPH3AL Products)

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: 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.

Storage: -20 °C

Handling

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

Expiry Date: 12 months