Datasheet for ABIN129633

anti-GGA1 antibody (AA 336-352)

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1 Image

Overview

Quantity:	100 µg
Target:	GGA1
Binding Specificity:	AA 336-352
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GGA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This affinity-purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 336-352 of Human GGA-1.
Isotype:	IgG
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	GGA1
Alternative Name:	GGA-1 (GGA1 Products)
Background:	GGA1 (also known as ADP-ribosylation factor binding protein, Golgi-localized, gamma ear-containing, ARF-binding protein 1, Gamma-adaptin related protein 1) plays a role in protein

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Target Details

	sorting and trafficking between the trans-Golgi network (TGN) and endosomes. This protein mediates the ARF-dependent recruitment of clathrin to the TGN and binds ubiquitinated proteins and membrane cargo molecules with a cytosolic acidic cluster-dileucine (AC-LL) motif. GGA1 is a monomeric protein that interacts with NECAP1, GGA2 and GGA3 as well as RABEP1, RABGEF1 and type-I membrane proteins SORT1, SORL1, LRP3, M6PR/CD-MPR, IGF2R/CI-MPR and BACE1. GGA1 is a ubiquitously membrane-associated protein that is localized to TGN and endosomes. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. Synonyms: GGA1, ADP-ribosylation factor binding protein, Golgi-localized, gamma ear-containing, ARF-binding protein 1, Gamma-adaptin related protein 1
Gene ID:	26088, 9558729
UniProt:	Q9UJY5

Application Details

Application Notes:	This affinity purified antibody has been tested for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Expect bands at 70 kDa in size corresponding to GGA1 by western blotting in the appropriate cell lysate or extract.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.35 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Western Blotting

Image 1. Western blot using Affinity Purified anti-GGA1 antibody shows detection of bands at ~100 kDa corresponding to YFP-GGA1 fusion present in a lysate of HEK293 cells over- expressing the recombinant protein (arrowhead). Approximately 35 µg of lysate was separated on a 4-20% gel by SDS-PAGE and transferred onto nitrocellulose. After blocking the membrane was probed with the primary antibody diluted to 1:1,350. Reaction occurred overnight at 4° followed by washes and reaction with a 1:10,000 dilution of800 conjugated Rb-a-Goat IgG [H&L] MXHu for 45 min at room temperature.800 fluorescence image was captured using the Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.

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