

Datasheet for 600-401-849**GGA2 Antibody****Overview**

Description:	Anti-GGA2 (RABBIT) Antibody - 600-401-849
Item No.:	600-401-849
Size:	100 µg
Applications:	ELISA
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	GGA-2 plays a role in protein sorting and trafficking between the trans-Golgi network (TGN) and endosomes. It 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. This gene encodes a member of the Golgi-localized, gamma adaptin ear-containing, ARF-binding (GGA) family. This family includes ubiquitous coat proteins that regulate the trafficking of proteins between the trans-Golgi network and the lysosome. These proteins share an amino-terminal VHS domain that mediates sorting of the mannose 6-phosphate receptors at the trans-Golgi network. They also contain a carboxy-terminal region with homology to the ear domain of gamma-adaptins.
Synonyms:	rabbit anti-GGA-2 antibody, GGA2, GGA 2, Golgi associated gamma adaptin ear containing ARF binding protein 2, ADP-ribosylation factor-binding protein GGA2, Gamma-adaptin-related protein 2, VHS domain and ear domain of gamma-adaptin, Vear
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	GGA2
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region near amino acids 240-270 of Human GGA2. SwissProt accession Q9UJY4. Expected to cross-react with mouse.
Purity/Specificity:	This is an affinity purified antibody produced by immunoaffinity chromatography using the immunizing peptide after immobilization to a solid phase.
Relevant Links:	• UniProtKB - D3DWF0 • NCBI - NP_055859.1 • GeneID - 23062

Application Details

Tested Applications:	ELISA
Application Note:	This affinity purified antibody has been tested for use in ELISA against the immunizing peptide. Reactivity in other immunoassays is unknown.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:20,000
IP:	1:100
WB:	1:500 - 1:5,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.4 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Disclaimer

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