

Product datasheet for **TA319321**

GGA1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:10,000 - 1:50,000, WB: 1:500 - 1:3,000, IP: 1:100
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
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.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	golgi-associated, gamma adaptin ear containing, ARF binding protein 1
Database Link:	NP_001001560 Entrez Gene 26088 Human Q9UJY5
Synonyms:	ADP-ribosylation factor binding protein 1; ARF binding protein 1; gamma-adaptin related protein 1; gamma adaptin ear containing; golgi associated; OTTHUMP00000028975; OTTHUMP00000042200



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Note: 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 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.

Protein Families: Druggable Genome

Protein Pathways: Lysosome

Product images:



WB using Anti-GGA1 antibody shows detection of bands at ~100 kDa corresponding to YFP-GGA1 fusion present in a lysate of HEK293 cells overexpressing the recombinant protein (arrowhead). Approximately 35 ug of lysate was separated 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 of IRDye™800 conjugated Rb-a-Goat IgG [H&L].