



Datasheet for ABIN389018
anti-GGA1 antibody (N-Term)



[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	400 µL
Target:	GGA1
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GGA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	This GGA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human GGA1.
Clone:	RB4932
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	GGA1
Alternative Name:	GGA1 (GGA1 Products)

Target Details

Background:	GGA1 is a member of the Golgi-localized, gamma adaptin ear-containing, ARF-binding (GGA) protein family. Members of this family are 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 which 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.
Molecular Weight:	70384
Gene ID:	26088
NCBI Accession:	NP_001001560 , NP_001001561 , NP_001166158 , NP_001166159 , NP_037497
UniProt:	Q9UJY5

Application Details

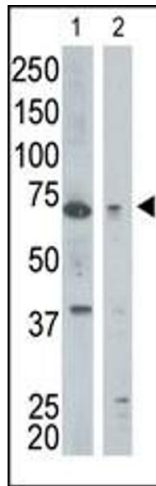
Application Notes:	IF: 1:10~50. WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

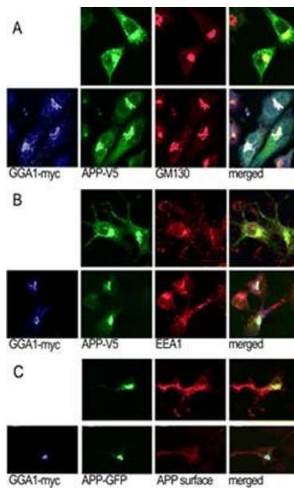
Publications

Product cited in:	Wang, Liu, Zhao, Song, Wang, Wang, Sun: "Phosphorylation of CDK2 on threonine 160 influences silencing of sex chromosome during male meiosis." in: Biology of reproduction , Vol. 90, Issue 6, pp. 138, (2014) (PubMed).
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Western Blotting

Image 1. The anti-GGA1 Pab (ABIN389018 and ABIN2839239) is used in Western blot to detect GGA1 in mouse kidney tissue lysate (lane 1) and Jurkat cell lysate (lane 2).



Immunofluorescence

Image 2. A, N2a cells cotransfected with 45V5 and GGA1 45myc or empty vector were immunostained for P (Alexa488, green), GGA1 (Cy5, blue), and the Golgi marker G (Cy3, red). B, The same transfection was stained for the endosomal marker EEA1 (Cy3). C, To assess cell-surface localization, 45GFP and GGA1 45myc or empty vector were cotransfected and then immunostained with an Ab to the P ectodomain on ice without permeabilization (Cy3). Cells were then fixed, permeabilized, and stained for GGA1 (Cy5). (J. Neurosci. 2006 Sep 27,26(39):9913-9922)