

For Research Use Only

GGA3 Polyclonal antibody

Catalog Number: 33639-1-AP



Basic Information

Catalog Number: 33639-1-AP	GenBank Accession Number: NM_138619.3	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 380 ug/ml by Nanodrop;	GeneID (NCBI): 23163	Recommended Dilutions: WB: 1:1000-1:4000 IF/ICC: 1:200-1:800
Source: Rabbit	UNIPROT ID: Q9NZ52	
Isotype: IgG	Full Name: golgi associated, gamma adaptin ear containing, ARF binding protein 3	
Immunogen Catalog Number: AG38658	Calculated MW: 78kDa 723aa	
	Observed MW: 90 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : A549 cells, Calu-1 cells, SH-SY5Y cells IF/ICC : HeLa cells,

Background Information

Golgi-associated, gamma-adaptin ear-containing, ARF-binding protein 3 (GGA3) is a monomeric clathrin adaptor that localizes predominantly to the trans-Golgi network (TGN) and endosomal membranes. Beyond classical cargo sorting, GGA3 participates in receptor recycling, retrograde transport and signal termination. Notably, caspase-3 cleaves GGA3 during apoptosis or cerebral ischaemia; loss of this adaptor stabilises β -secretase (BACE1), thereby increasing amyloid- β production and linking GGA3 to Alzheimer disease pathogenesis. Recent work further implicates GGA3 in oncogenic processes: in non-small-cell lung cancer it supports TrkA trafficking to the plasma membrane, prolonging Akt/ERK signalling and promoting cell survival. (PMID: 39267722, PMID: 37586201)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

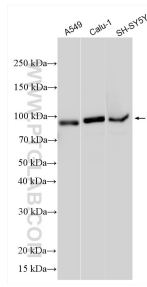
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

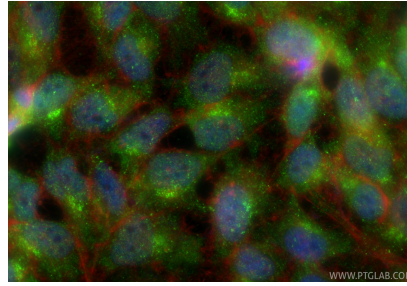
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33639-1-AP (GGA3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using GGA3 antibody (33639-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).