

For Research Use Only

GOLGA2/GM130 Polyclonal antibody

Catalog Number: 11308-1-AP

Featured Product

138 Publications



Basic Information

Catalog Number: 11308-1-AP	GenBank Accession Number: BC014188	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 600 ug/ml by Nanodrop;	GeneID (NCBI): 2801	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q08379	
Isotype: IgG	Full Name: golgi autoantigen, golgin subfamily a, 2	
Immunogen Catalog Number: AG1848	Calculated MW: 111 kDa	
	Observed MW: 130 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), ELISA

Cited Applications:
WB, IHC, IF, IP

Species Specificity:
human, canine

Cited Species:
human, monkey, hamster

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: A549 cells, HeLa cells, human spleen tissue, HEK-293 cells, MCF-7 cells

IHC: human testis tissue,

IF/ICC: HepG2 cells, MDCK cells, HEK-293 cells, HeLa cells

Background Information

GOLGA2, also known as GM130, is a 130 kDa cis-Golgi matrix protein which is one component of the detergent and salt resistant Golgi matrix. It is a peripheral membrane protein highly bound to Golgi membrane and localized mainly at the cytoplasmic face of cis-Golgi membrane. Together with its interacting partner proteins, including p115, giantin, GRASP65, and Rab GTPase, GOLGA2/GM130 is involved in the regulation of ER-to-Golgi transport and also in the maintenance of the Golgi structure. Emerging evidence suggest that the GOLGA2/GM130 has potential roles in the control of glycosylation, cell cycle progression, and higher order cell functions such as cell polarization and directed cell migration. (PMID: 20197635)

Notable Publications

Author	Pubmed ID	Journal	Application
Emmanuelle Steib	36313808	Cell Rep Methods	IF
Zhaoyue Meng	36175399	Nat Commun	IHC
Ying Zhou	36213325	J Immunol Res	IF

Storage

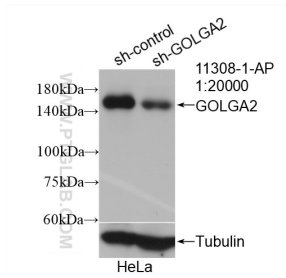
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

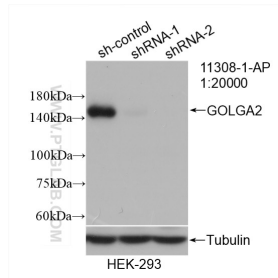
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

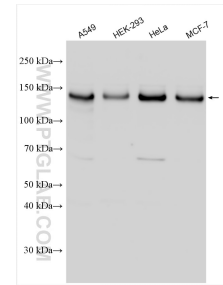
Selected Validation Data



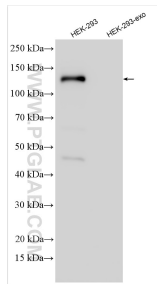
WB result of GOLGA2/GM130 antibody (11308-1-AP; 1:20000); incubated at room temperature for 1.5 hours with sh-Control and sh-GOLGA2/GM130 transfected HeLa cells.



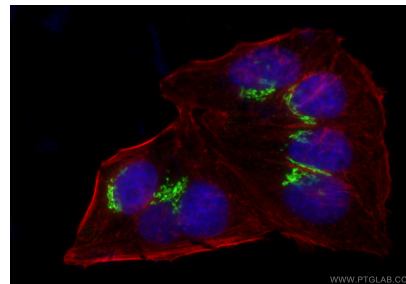
WB result of GOLGA2/GM130 antibody (11308-1-AP; 1:20000); incubated at room temperature for 1.5 hours with sh-Control and sh-GOLGA2/GM130 transfected HEK-293 cells.



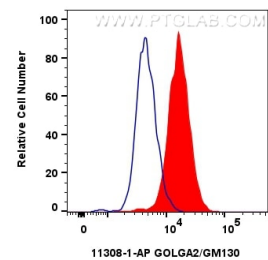
Various lysates were subjected to SDS PAGE followed by western blot with 11308-1-AP (GOLGA2/GM130 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



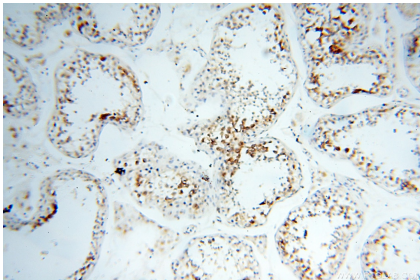
HEK-293 cells and HEK-293-derived exosomes (HEK-293-exo) were subjected to SDS PAGE followed by western blot with 11308-1-AP (GOLGA2/GM130 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



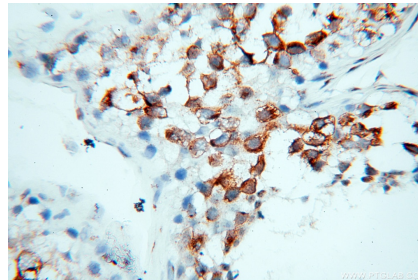
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using GOLGA2/GM130 antibody (11308-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).



1×10^6 HepG2 cells were intracellularly stained with 0.2 ug GOLGA2/GM130 Polyclonal antibody (11308-1-AP) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.2 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded human testis using 11308-1-AP (GOLGA2, GM130 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis using 11308-1-AP (GOLGA2, GM130 antibody) at dilution of 1:100 (under 40x lens).