

For Research Use Only

# Giantin Polyclonal antibody

Catalog Number: 22270-1-AP **7 Publications**



## Basic Information

<b>Catalog Number:</b> 22270-1-AP	<b>GenBank Accession Number:</b> NM_004487	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 540 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2804	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:250-1:1000 IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14789	
<b>Isotype:</b> IgG	<b>Full Name:</b> golgin B1, golgi integral membrane protein	
	<b>Calculated MW:</b> 376 kDa	
	<b>Observed MW:</b> 376 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, HeLa cells IHC : mouse kidney tissue, IF/ICC : HepG2 cells, HeLa cells
<b>Cited Applications:</b> WB, IF	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, monkey	

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

## Background Information

Giantin is a conserved Golgi membrane protein containing a large cytoplasmic domain. It may function to form the intercisternal cross-bridges of the Golgi complex. Anti-Giantin has been widely used to label the Golgi apparatus.

## Notable Publications

Author	Pubmed ID	Journal	Application
Huiying Xue	28769563	Int J Nanomedicine	
Maryam Arab	36512212	Methods Mol Biol	WB
Jian Bao	34864680	J Alzheimers Dis	IF

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

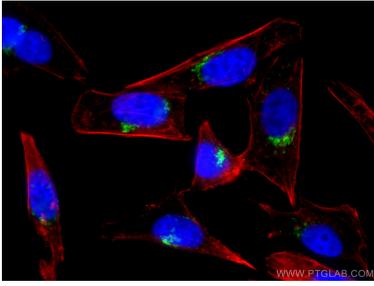
For technical support and original validation data for this product please contact:

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

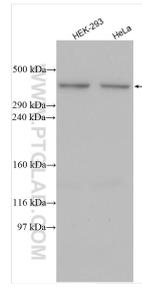
E: proteintech@ptglab.com  
W: ptglab.com

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

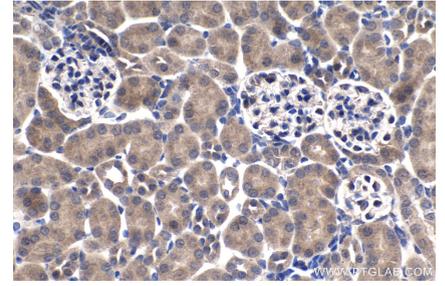
## Selected Validation Data



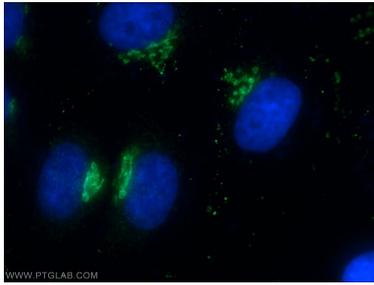
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Giantin antibody (22270-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Various lysates were subjected to Tris-Acetate gel system followed by western blot with 22270-1-AP (Giantin antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 22270-1-AP (Giantin antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells using 22270-1-AP (Giantin antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).