For Research Use Only

Giantin Polyclonal antibody

Catalog Number:22270-1-AP 11 Publications

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Basic Information

Catalog Number:
22270-1-AP

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_004487

GeneID (NCBI):
2804

UNIPROT ID:
Q14789

Full Name:
golgin B1, golgi integral membrane protein

Calculated MW:
376 kDa

Observed MW:
376 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:500-1:1000
IHC: 1:500-1:2000
IF/ICC: 1:200-1:800

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human

Cited Species:
human, mouse, monkey

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 : HEK-293 cells, HeLa cells

IHC : human rectal cancer tissue, human placenta tissue

IF/ICC : A549 cells, HepG2 cells, HeLa cells

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

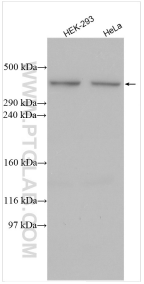
Storage

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

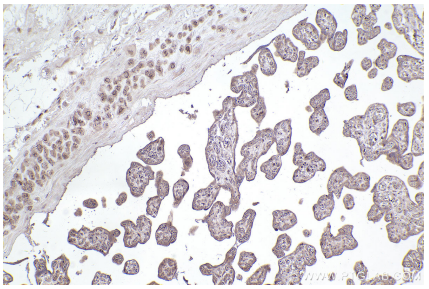
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

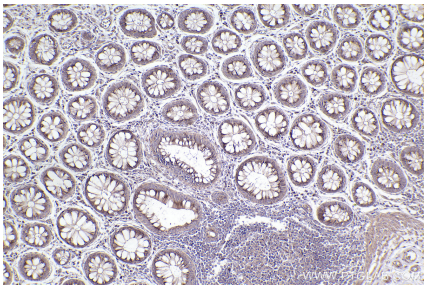
Selected Validation Data



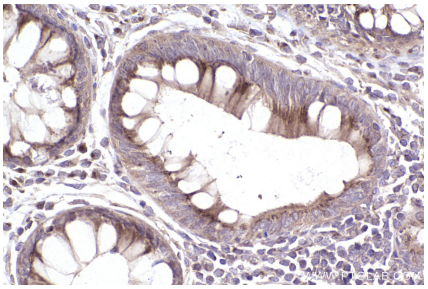
Various lysates were subjected to Tris-Acetate gel system followed by western blot with 22270-1-AP (Giantin antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



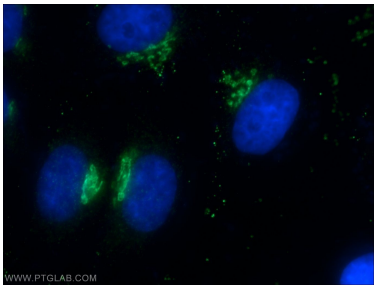
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 22270-1-AP (Giantin antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human rectal cancer tissue slide using 22270-1-AP (Giantin antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human rectal cancer tissue slide using 22270-1-AP (Giantin antibody) at dilution of 1:1000 (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 AffiniPure Goat Anti-Rabbit IgG(H+L).

Immunofluorescent analysis of (4% PFA) fixed A549 cells using Giantin antibody (22270-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CoraLite®594-Phalloidin (red).