

For Research Use Only

GP73/GOLPH2 Monoclonal antibody



Catalog Number: 66331-1-Ig

Featured Product

3 Publications

Basic Information

Catalog Number:

66331-1-Ig

Size:

2100 μ g/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG7207

GenBank Accession Number:

BC001740

GeneID (NCBI):

51280

UNIPROT ID:

Q8NBJ4

Full Name:

golgi membrane protein 1

Calculated MW:

45 kDa

Observed MW:

73 kDa

Purification Method:

Protein A purification

CloneNo.:

3D1F1

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:20-1:200

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

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, LNCaP cells, HeLa cells, HEK-293 cells

IHC : human liver cancer tissue,

IF : HeLa cells,

Background Information

Golgi phosphoprotein 2 (GOLPH2, also known as GP73 or GOLM1) is a resident Golgi type-II membrane protein. It is predominantly expressed in the epithelial cells of many human tissues. GOLPH2 traffics through endosomes and can be secreted into the circulation. Its expression is upregulated in a number of tumors and GOLPH2 could be a promising serum marker for hepatocellular carcinoma. We got 73 kDa in western blotting due to phosphorylation.

Notable Publications

Author	Pubmed ID	Journal	Application
Meng Wang	34268128	Front Oncol	WB
Wei-Qing Shao	35443161	Cell Rep	WB
Chang Liu	37655900	Microbiol Spectr	WB

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

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

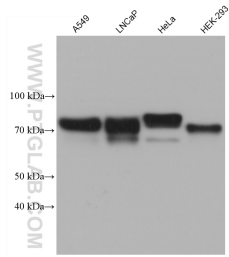
T: 4006900926

E: Proteintech-CN@ptglab.com

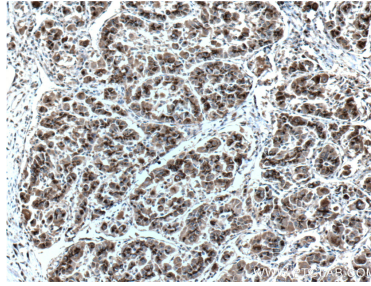
W: ptgcn.com

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

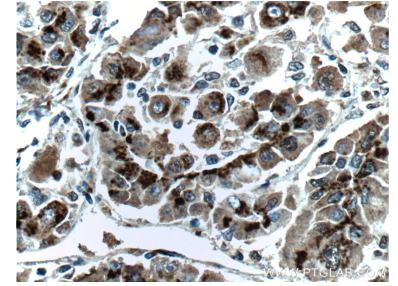
Selected Validation Data



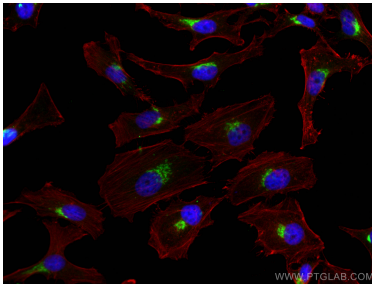
Various lysates were subjected to SDS PAGE followed by western blot with 66331-1-Ig (GP73/GOLPH2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66331-1-Ig (GP73/GOLPH2 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66331-1-Ig (GP73/GOLPH2 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using GP73/GOLPH2 antibody (66331-1-Ig, Clone: 3D1F1) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).