

For Research Use Only

# GP73/GOLPH2 Monoclonal antibody



Catalog Number: 66331-1-Ig

Featured Product

3 Publications

## Basic Information

<b>Catalog Number:</b> 66331-1-Ig	<b>GenBank Accession Number:</b> BC001740	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul, Concentration: 2100 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 51280	<b>CloneNo.:</b> 3D1F1
<b>Source:</b> Mouse	<b>Full Name:</b> golgi membrane protein 1	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:20-1:200 IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 45 kDa	
<b>Immunogen Catalog Number:</b> AG7207	<b>Observed MW:</b> 73 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : A549 cells, LNCaP cells, HeLa cells, HEK-293 cells IHC : human liver cancer tissue, IF : HeLa cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

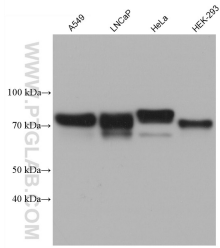
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

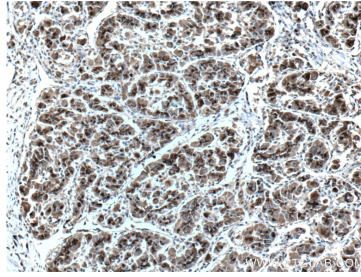
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

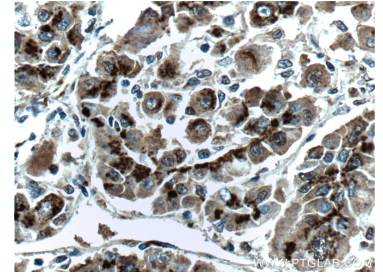
## Selected Validation Data



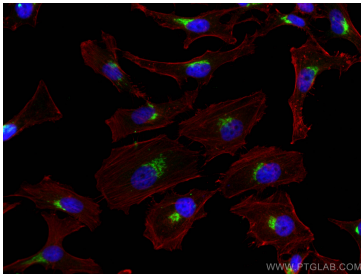
Various lysates were subjected to SDS PAGE followed by western blot with 66331-1-Ig (GP73/GOLPH2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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).