

For Research Use Only

GP73/GOLPH2 Recombinant antibody

Catalog Number: 81893-1-RR



Basic Information

| | | |
|---|---|---|
| Catalog Number: 81893-1-RR | GenBank Accession Number: BC001740 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 500 ug/ml by Nanodrop; | GeneID (NCBI): 51280 | CloneNo.: 1I12 |
| Source: Rabbit | UNIPROT ID: Q8NB14 | Recommended Dilutions: WB 1:5000-1:50000 IHC 1:300-1:1200 IF/ICC 1:450-1:1800 |
| Isotype: IgG | Full Name: golgi membrane protein 1 | |
| Immunogen Catalog Number: AG7207 | Calculated MW: 45 kDa | |
| | Observed MW: 70-75 kDa | |

Applications

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|---|---|
| Tested Applications: WB, IHC, IF/ICC, ELISA | Positive Controls: WB : HEK-293 cells, HeLa cells, MCF-7 cells |
| Species Specificity: human | IHC : human stomach cancer tissue, human liver cancer tissue, human ovarian cancer, human stomach tissue |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | IF/ICC : 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 70-75 kDa in western blotting due to phosphorylation.

Storage

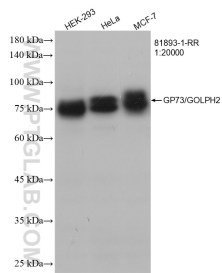
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

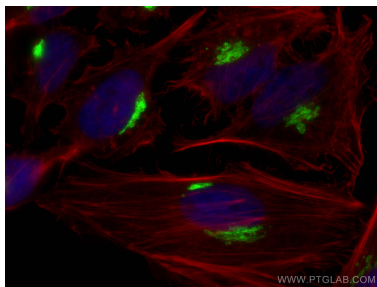
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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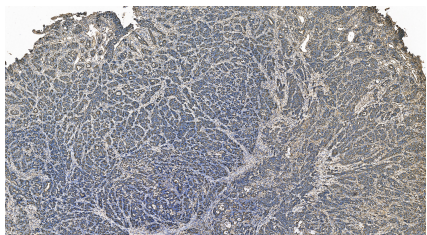
Selected Validation Data



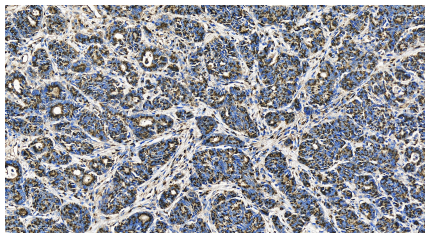
Various lysates were subjected to SDS PAGE followed by western blot with 81893-1-RR (GP73/GOLPH2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



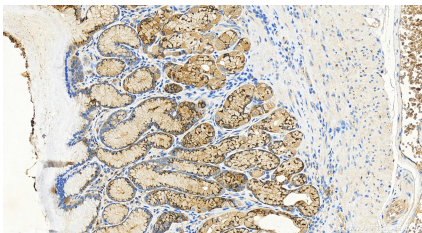
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using GP73/GOLPH2 antibody (81893-1-RR, Clone: 1112) at dilution of 1:900 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



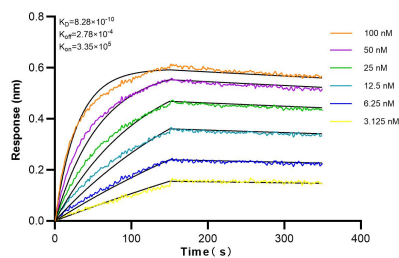
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 81893-1-RR (GP73/GOLPH2 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 81893-1-RR (GP73/GOLPH2 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 81893-1-RR (GP73/GOLPH2 antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Bi-layer interferometry (BLI) kinetic assays of 81893-1-RR against Human GP73/GOLPH2 were performed. The affinity constant is 0.828 nM.