

For Research Use Only

GP73/GOLPH2 Monoclonal antibody, PBS Only (Detector)

Catalog Number: 66331-1-PBS

Featured Product



Basic Information

Catalog Number:

66331-1-PBS

Size:

100ug, Concentration: 1mg/ml by
Nanodrop;

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

Applications

Tested Applications:

WB, IHC, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:

human

Product Information

66331-1-PBS targets GP73/GOLPH2 as part of a matched antibody pair:

MP51312-3: 66331-2-PBS capture and 66331-1-PBS detection (validated in Cytometric bead array)

MP51312-4: 66331-3-PBS capture and 66331-1-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

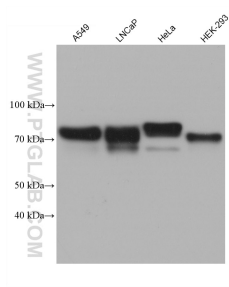
For technical support and original validation data for this product please contact:

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

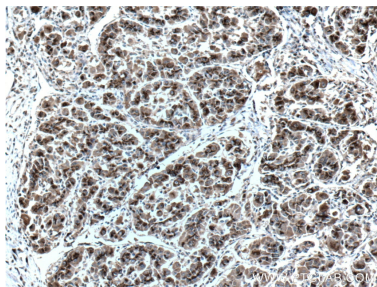
E: proteintech@ptglab.com
W: ptglab.com

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

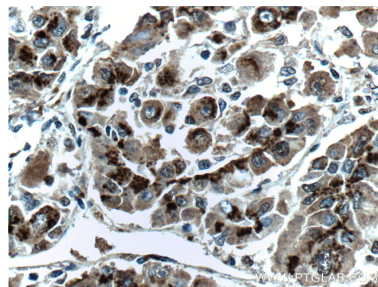
Selected Validation Data



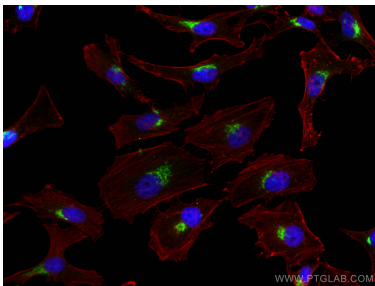
Various lysates were subjected to SDS PAGE followed by western blot with 66331-1-Ig (GP73/GOLPH2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66331-1-PBS in a different storage buffer formulation.



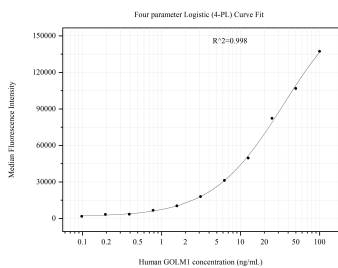
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66331-1-Ig (GP73/GOLPH2 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66331-1-PBS in a different storage buffer formulation.



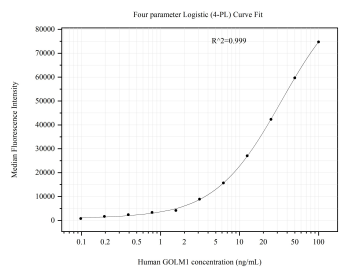
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66331-1-Ig (GP73/GOLPH2 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66331-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66331-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP51312-3, GOLM1 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66331-2-PBS. Detection antibody: 66331-1-PBS. Standard:Ag7207. Range: 0.098-100 ng/mL.



Cytometric bead array standard curve of MP51312-4, GOLM1 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66331-3-PBS. Detection antibody: 66331-1-PBS. Standard:Ag7207. Range: 0.098-100 ng/mL.