

## Mouse anti-Human GOLPH2/GOLM1 Monoclonal Antibody | anti-GOLM1 antibody

Anti-GOLPH2/GOLM1 Antibody, Mouse Monoclonal

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                  |
|-----------|-------|------------|---------------------------------------------------------------|
| AAA257530 | Mouse | Human      | Immunofluorescence, Immunocytochemistry, Immunohistochemistry |

### PRODUCT SYNONYMS

GOLPH2/GOLM1; Monoclonal Antibody; Anti-GOLPH2/GOLM1 Antibody; Mouse Monoclonal; GOLPH2/GOLM1 Antibody; Mouse MAb; Anti-bA379P1.3 Antibody; Anti-C9orf155 Antibody; Anti-GOLPH2 Antibody; Anti-GP73 Antibody; Anti-HEL46 Antibody; Anti-PSEC0257 Antibody; golgi membrane protein 1; anti-GOLM1 antibody

### PRODUCT SPECIFICATIONS

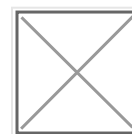
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|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Reactivity                                      | Human                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Isotype                                         | Mouse IgG2a                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Clone Number                                    | 12                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Specificity                                     | Human GOLPH2/GOLM1                                                                                                                                                                                                                                                                                                                                                                                                               |
| Purity/Purification                             | Protein A                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Form/Format                                     | Liquid. 0.2um filtered solution in PBS                                                                                                                                                                                                                                                                                                                                                                                           |
| Applicable Applications for anti-GOLM1 antibody | IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                                                                                                   |
| Immunogen                                       | Recombinant Human GOLPH2/GOLM1 Protein                                                                                                                                                                                                                                                                                                                                                                                           |
| Conjugation                                     | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Preparation                                     | This product is a recombinant monoclonal antibody expressed from HEK293 cells.                                                                                                                                                                                                                                                                                                                                                   |
| Preparation and Storage                         | <p>This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.</p> <p>This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.</p> |

### IMAGES



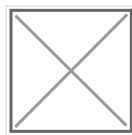
#### IF (Immunofluorescence)

Immunofluorescence staining of GP73 in Hela cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with mouse anti-human GP73 monoclonal antibody (dilution ratio 1:60) at 4 degree C overnight. Then cells were stained with the Alexa Fluor-488-conjugated Goat Anti-mouse IgG secondary antibody (green). Positive staining was localized to golgi apparatus.

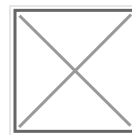


#### IHC (Immunohistochemistry)

Immunohistochemical staining of human GP73 in human liver (cirrhosis) with mouse monoclonal antibody (1:100, formalin-fixed paraffin embedded sections).

**IHC (Immunohistochemistry)**

Immunochemical staining of human GP73 in human stomach with mouse monoclonal antibody (1:100, formalin-fixed paraffin embedded sections).

**IHC (Immunohistochemistry)**

Immunochemical staining of human GP73 in human uterus with mouse monoclonal antibody (8 ug/mL, formalin-fixed paraffin embedded sections).

**ADDITIONAL INFORMATION**

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-GOLM1 antibody</b> | Background: Golgi membrane protein 1, also known as Golgi membrane protein GP73, Golgi phosphoprotein 2, and GOLM1, is a protein that belongs to the GOLM1/CASC4 family. GOLM1 is widely expressed. It is highly expressed in the colon, prostate, trachea, and stomach. It is expressed at a lower level in testis, muscle, lymphoid tissues, white blood cells, and spleen. It is predominantly expressed by cells of the epithelial lineage. GOLM1 is expressed at a low level in the normal liver. Expression significantly increases in virus (HBV, HCV) infected liver. Expression of GOLM1 does not increase in liver disease due to non-viral causes (alcohol-induced liver disease, autoimmune hepatitis). Increased expression in hepatocytes appears to be a general feature of advanced liver disease. In liver tissue from patients with adult giant-cell hepatitis (GCH), GOLM1 is strongly expressed in hepatocyte-derived syncytial giant cells. GOLM1 is constitutively expressed by biliary epithelial cells but not by hepatocytes. |
| <b>References</b>                                          | Kladney R.D., et al.,(2000), GP73, a novel Golgi-localized protein upregulated by viral infection. Gene 249:53-65.Clark H.F., et al., (2003), The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: a bioinformatics assessment.Genome Res. 13:2265-2270.Puri S., et al.,(2002), Cycling of early Golgi proteins via the cell surface and endosomes upon luminal pH disruption.Traffic 3:641-653.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/golph2-golm1-antibody-clone-12-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/257530>