

Anti-GOLPH2/GOLM1 Antibody (3T18)

Product Details

Ig Type:	Mouse IgG2a
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	3T18
Purification:	Protein A

Applications

Verified Activity:	1. Immunochemical staining of human GP73 in human uterus with mouse monoclonal antibody (8 µg/mL, formalin-fixed paraffin embedded sections).
	2. Immunochemical staining of human GP73 in human stomach with mouse monoclonal antibody (1:100, formalin-fixed paraffin embedded sections).
	3. Immunochemical staining of human GP73 in human liver (cirrhosis) with mouse monoclonal antibody (1:100, formalin-fixed paraffin embedded sections).
	4. 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°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 .
Application:	ICC/IF,IHC-P
Recommended	IHC-P: 5-20 µg/mL; ICC-IF: 1:20-1:100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human GOLPH2 / GOLM1 Protein
Antigen Species:	Human
Synonyms:	C9orf155;GP73;PSEC0257;golgi membrane protein 1;HEL46;bA379P1.3;GOLPH2

Research 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

A DRUG SCREENING EXPERT

is constitutively expressed by biliary epithelial cells but not by hepatocytes.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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