Data Sheet (Cat.No.TMAY-02458)

TargetMol

Anti-GOLPH2/GOLM1 Antibody (6N611)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6N611
Purification:	Protein A

Applications

Verified Activity:	1. Anti-GP73 mouse monoclonal antibody at 1:500 dilution. -Lane A: 293T Whole Cell lysate. -Lysates/proteins at 30 µg per lane. -Secondary -Goat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution. -Developed using the Odyssey technique. -Performed under reducing conditions. -Predicted band size:45 kDa. -Observed band size:75 kDa(We are unsure as to the identity of these extra bands.) 2. Immunofluorescence staining of GP73 in Hela cells. Cells were fixed with 4% PFA, permeabilzed with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with mouse anti-Human GP73 monoclonal antibody (1:300) at 4°C overnight. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-mouse IgG secondary antibody(green) and counterstained with DAPI(blue).
Application:	ELISA,ICC/IF,WB
Recommended	WB: 1:500-1:1000; ELISA: 1:5000-1:10000; ICC-IF: 1:100-1:500

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

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

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