Best Tools for immunology Research

C1GLT rabbit pAb

Catalog No :	YT6838
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	C1GLT
Fields :	>>Mucin type O-glycan biosynthesis;>>Other types of O-glycan biosynthesis;>>Metabolic pathways
Gene Name :	C1GALT1
Protein Name :	C1GLT
Human Gene Id :	56913
Human Swiss Prot No :	Q9NS00
Mouse Gene Id :	94192
Mouse Swiss Prot No :	Q9JJ06
Rat Gene Id :	65044
Rat Swiss Prot No :	Q9JJ05
Immunogen :	Synthesized peptide derived from human C1GLT AA range: 102-152
Specificity :	This antibody detects endogenous levels of C1GLT at Human/Mouse/Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1□500-2000

Purification : The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 40kD

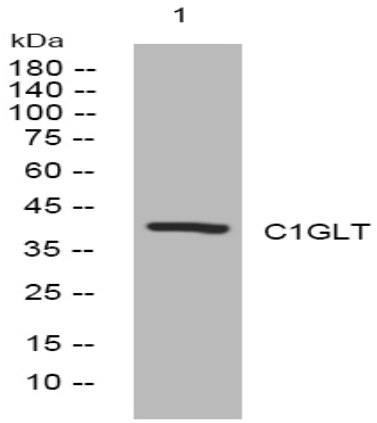
Background : The protein encoded by this gene generates the common core 1 O-glycan structure, Gal-beta-1-3GalNAc-R, by the transfer of Gal from UDP-Gal to GalNAc-alpha-1-R. Core 1 is a precursor for many extended mucin-type O-glycans on cell surface and secreted glycoproteins. Studies in mice suggest that this gene plays a key role in thrombopoiesis and kidney homeostasis.[provided by RefSeq, Sep 2010],

Function : catalytic activity:UDP-galactose + glycoprotein N-acetyl-D-galactosamine = UDP + glycoprotein D-galactosyl-1,3-N-acetyl-D-galactosamine.,cofactor:Magnesium.,disease:Defects in C1GALT1 may be a cause of susceptibility to IgA nephropathy (IgAN). IgAN is the most common primary glomerulonephritis, which is partly due to aberrant or incomplete galactosylation of IgA1 molecules.,function:Glycosyltransferase that generates the core 1 O-glycan Gal-beta1-3GalNAc-alpha1-Ser/Thr (T antigen), which is a precursor for many extended O-glycans in glycoproteins. Plays a central role in many processes, such as angiogenesis, thrombopoiesis and kidney homeostasis development.,online information:Core1 UDP-galactose:N-acetylgalactosamine-alpha-R beta 1,3-galactosyltransferase,pathway:Protein modification; protein glycosylation.,similarity:Belongs to the glycosyltransferase 31 family. Beta3-Gal-T subfamily.,

Subcellular Location : Membrane ; Single-pass type II membrane protein .

Expression : Widely expressed. Highly expressed in kidney, heart, placenta and liver.

Products Images



Western blot analysis of lysates from MCF-7 cells, primary antibody was diluted at 1:1000, 4°over night