



CD57 Polyclonal Antibody

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|---------------------------|---|
| Catalog No | YP-Ab-13906 |
| Isotype | IgG |
| Reactivity | Human;Mouse;Rat |
| Applications | IHC;IF;ELISA |
| Gene Name | B3GAT1 |
| Protein Name | Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1 |
| Immunogen | The antiserum was produced against synthesized peptide derived from human CD57. AA range:35-84 |
| Specificity | CD57 Polyclonal Antibody detects endogenous levels of CD57 protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source | Polyclonal, Rabbit,IgG |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | B3GAT1; GLCATP; Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1; Beta-1; 3-glucuronyltransferase 1; Glucuronosyltransferase P; GlcAT-P; UDP-GlcUA:glycoprotein beta-1,3-glucuronyltransferase; GlcUAT-P |
| Observed Band | |
| Cell Pathway | [Isoform 1]: Golgi apparatus membrane ; Single-pass type II membrane protein . Secreted . ; [Isoform 2]: Golgi apparatus membrane ; Single-pass type II membrane protein . Endoplasmic reticulum membrane . Secreted . |
| Tissue Specificity | Mainly expressed in the brain. |
| Function | catalytic activity:UDP-glucuronate + 3-beta-D-galactosyl-4-beta-D-galactosyl-O-beta-D-xylosylprotein = UDP + 3-beta-D-glucuronosyl-3-beta-D-galactosyl-4-beta-D-galactosyl-O-beta-D-xylosyl protein.,cofactor:Manganese.,function:Involved in the biosynthesis of L2/HNK-1 carbohydrate epitope on glycoproteins. Can also play a role in glycosaminoglycan biosynthesis. Substrates include asialo-orosomuroid (ASOR), asialo-fetuin, and asialo-neural cell adhesion molecule. Requires sphingomyelin for activity: stearoyl-sphingomyelin was the most effective, followed by palmitoyl-sphingomyelin and lignoceroyl-sphingomyelin. Activity was demonstrated only for sphingomyelin with a saturated fatty acid and not for that |



with an unsaturated fatty acid, regardless of the length of the acyl group.,online information:GlycoGene database,pathway:Protein modification; protein glycosylation.,similarity:Belongs to th

Background

The protein encoded by this gene is a member of the glucuronyltransferase gene family. These enzymes exhibit strict acceptor specificity, recognizing nonreducing terminal sugars and their anomeric linkages. This gene product functions as the key enzyme in a glucuronyl transfer reaction during the biosynthesis of the carbohydrate epitope HNK-1 (human natural killer-1, also known as CD57 and LEU7). Alternate transcriptional splice variants have been characterized. [provided by RefSeq, Jul 2008],

matters needing attention

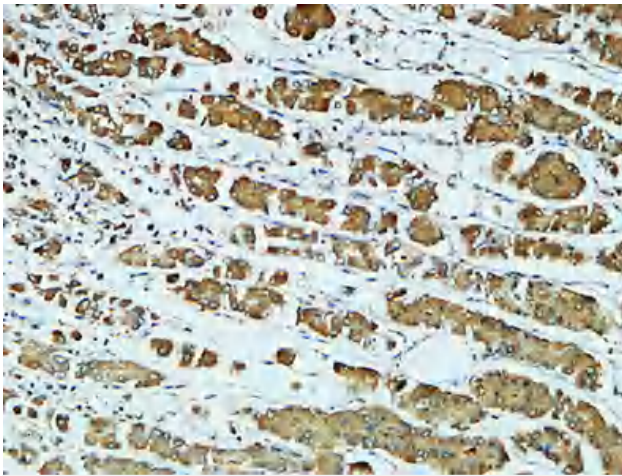
Avoid repeated freezing and thawing!

Usage suggestions

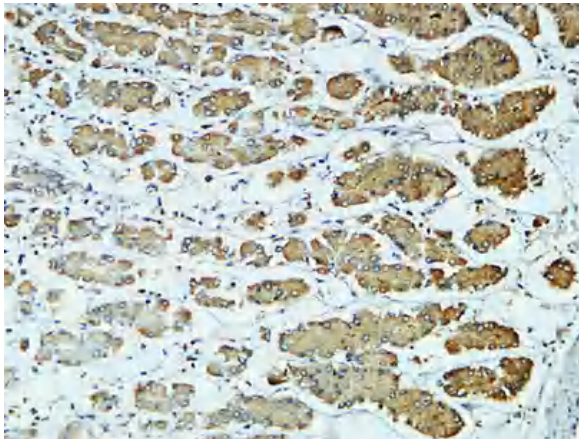
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



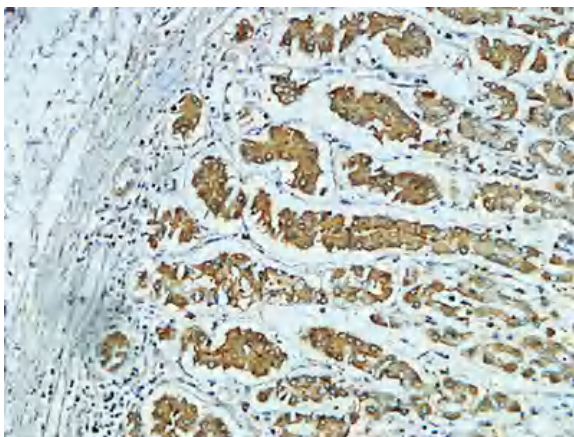
Products Images



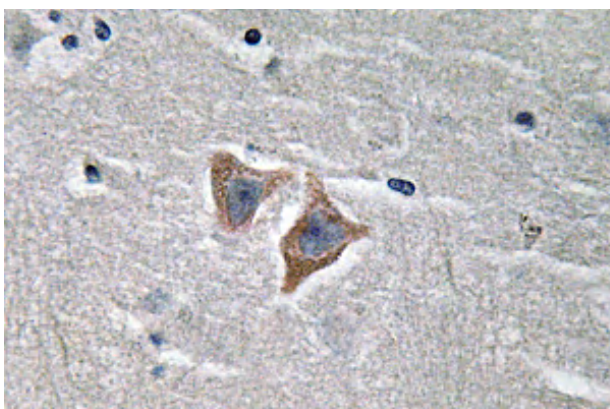
Immunohistochemical analysis of paraffin-embedded Human stomach. 1, Antibody was diluted at 1:400(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 30min).



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Immunohistochemistry analysis of CD57 antibody in paraffin-embedded human brain tissue.

