



CD57 Polyclonal Antibody

Catalog No	BYab-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-orosomucoid (ASOR), asialo-fetuin, and

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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.

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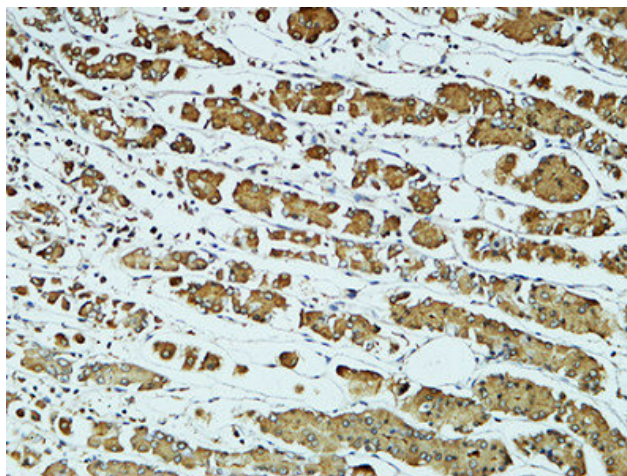
网址: www.njbybio.com

官方热线: 025-5229-8998

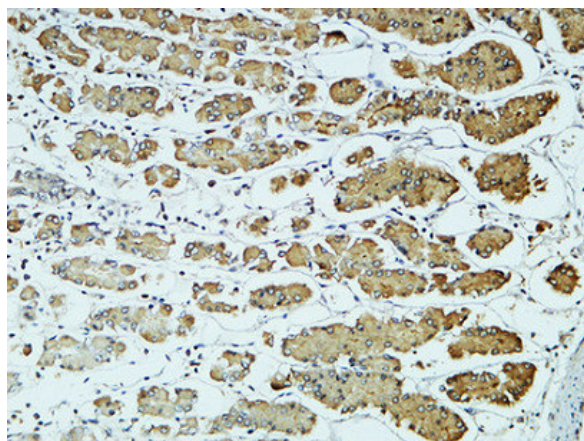
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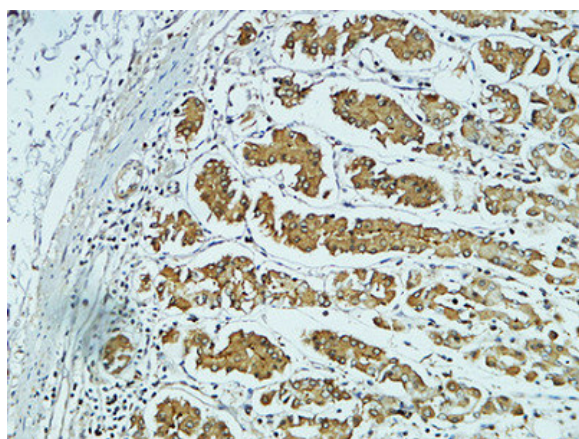
Products Images



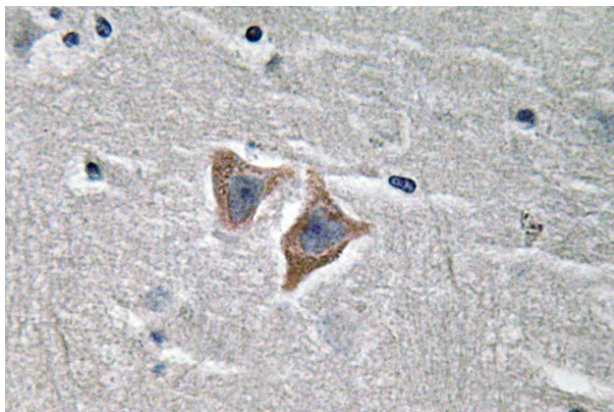
Immunohistochemical analysis of paraffin-embedded Human stomach. 1, Antibody was diluted at 1:400(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 30min).



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