

产品名称: CD57 Rabbit Polyclonal Antibody
产品货号: AP Rab08420



产品概述 (Summary)

产品名称 (Production Name)	CD57 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC, IF, ELISA
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	B3GAT1
别名 (Alternative Names)	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
基因 ID (Gene ID)	27087.0
蛋白 ID (SwissProt ID)	Q9P2W7. The antiserum was produced against synthesized peptide derived from human CD57. AA range: 35-84

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:5000-1:10000
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蛋白分子量 (Molecular Weight)

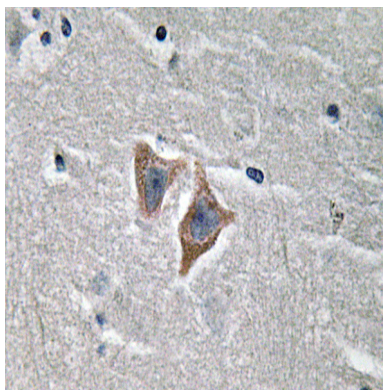
研究背景 (Background)

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], 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-xylosylprotein., 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 asialo-neural cell adhesion molecule. Requires sphingomyelin for activity: stearyl-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 the glycosyltransferase 43 family., subunit: Homodimer., tissue specificity: Mainly expressed in the brain.,

研究领域 (Research Area)

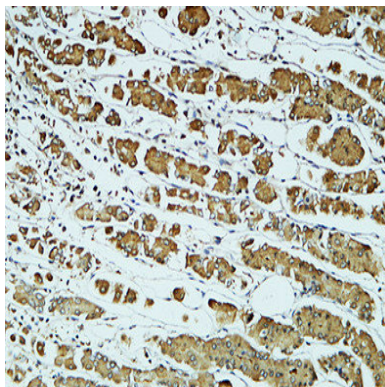
Chondroitin sulfate biosynthesis; Heparan sulfate biosynthesis;

图片 (Image Data)

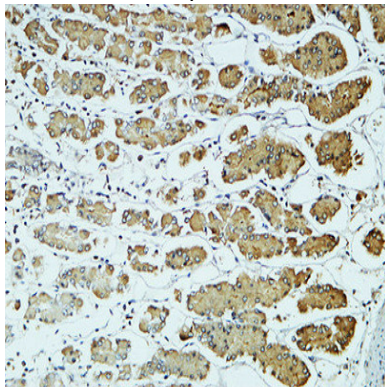


Immunohistochemistry analysis of CD57 antibody in paraffin-embedded human brain tissue.

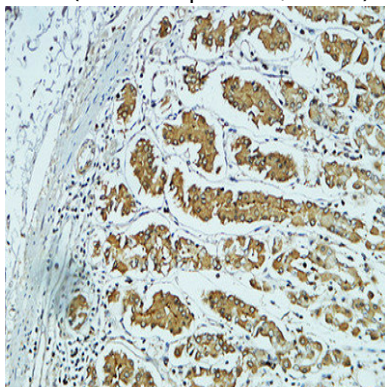
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Immunohistochemical analysis of paraffin-embedded Human stomach. 1, Antibody was diluted at 1:400 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature,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



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注意事项 (Note)

For research use only .