

产品名称: A4GAT Rabbit Polyclonal Antibody
产品货号: APRab06371



产品概述 (Summary)

产品名称 (Production Name)	A4GAT Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

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, 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)	A4GALT A14GALT A4GALT1
别名 (Alternative Names)	
基因 ID (Gene ID)	53947.0
蛋白 ID (SwissProt ID)	Q9NPC4.Synthesized peptide derived from part region of human protein

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	38kDa

研究背景 (Background)

alpha 1,4-galactosyltransferase(A4GALT) Homo sapiens The protein encoded by this gene catalyzes the transfer of galactose to lactosylceramide to form globotriaosylceramide, which has been identified as the P(k) antigen of the P blood

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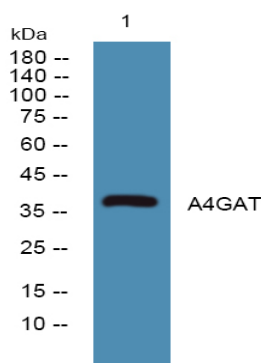


group system. This protein, a type II membrane protein found in the Golgi, is also required for the synthesis of the bacterial verotoxins receptor. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2015],catalytic activity:UDP-galactose + beta-D-galactosyl-(1->4)-D-glucosyl-(1<->1)-ceramide = UDP + alpha-D-galactosyl-(1->4)-beta-D-galactosyl-(1->4)-D-glucosyl-(1<->1)-ceramide.,domain:The conserved DXD motif is involved in enzyme activity.,function:Necessary for the biosynthesis of the Pk antigen of blood histogroup P. Catalyzes the transfer of galactose to lactosylceramide and galactosylceramide. Necessary for the synthesis of the receptor for bacterial verotoxins.,online information:GlycoGene database,online information:Lactosylceramide 4-alpha-galactosyltransferase,pathway:Protein modification; protein glycosylation.,polymorphism:Different combinations or absence of the P blood group system antigens define 5 different phenotypes: P1, P2, P1(k), P2(k), and p. Genetic variation in A4GALT determines the p phenotype, which is rare and does not express any antigens. It is also known as null phenotype; p individuals have antibodies against P, P1 and Pk antigens in their sera. These antibodies are clinically important because they can cause severe transfusion reactions and miscarriage.,similarity:Belongs to the glycosyltransferase 32 family.,tissue specificity:Ubiquitous. Highly expressed in kidney, heart, spleen, liver, testis and placenta.,

研究领域 (Research Area)

Glycosphingolipid biosynthesis;

图片 (Image Data)



Western blot analysis of lysates from DU145 cells, primary antibody was diluted at 1:1000, 4°over night

注意事项 (Note)

For research use only .