

A4GAT Rabbit pAb

CatalogNo: YN0815

Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat,Mouse

Applications

- WB,ELISA

MW

- 38kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage*

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

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from part region of human protein

Specificity

A4GAT Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name

A4GALT A14GALT A4GALT1

Protein Name Lactosylceramide 4-alpha-galactosyltransferase (Alpha-1,4-N-acetylglucosaminyltransferase) (Alpha-1,4-galactosyltransferase) (Alpha4Gal-T1) (CD77 synthase) (Globotriaosylceramide synthase) (Gb3 synthase) (P1/Pk synthase) (UDP-galactose:beta-D-galactosyl-beta1-R 4-alpha-D-galactosyltransferase)

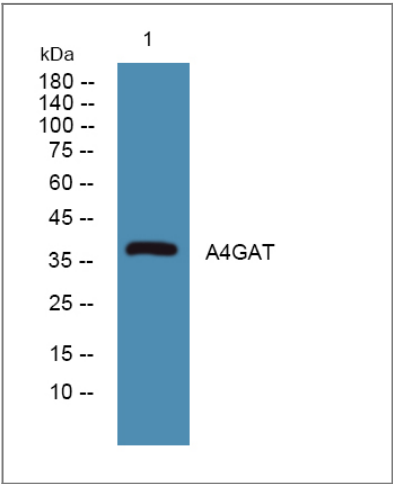
Organism	Gene ID	UniProt ID
Human	53947;	Q9NPC4;
Mouse		Q67BJ4;
Rat		Q9JI93;

Cellular Localization Golgi apparatus membrane ; Single-pass type II membrane protein .

Tissue specificity Ubiquitous. Highly expressed in kidney, heart, spleen, liver, testis and placenta.

Function 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.,

Validation Data



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

| Contact information

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A4GAT Rabbit pAb

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