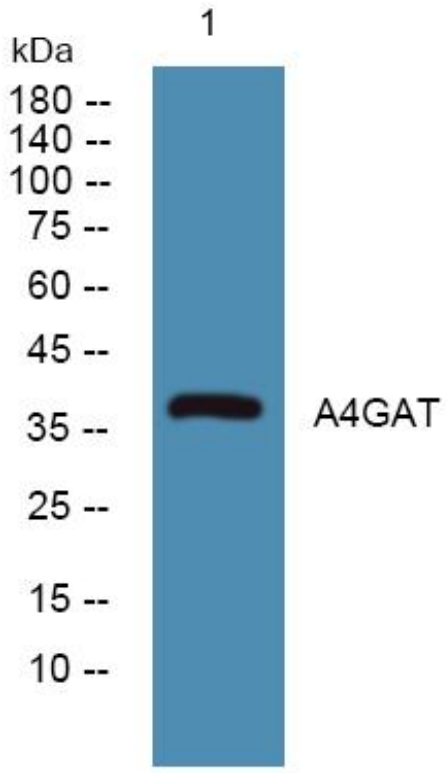
A4GAT Monoclonal Antibody

Catalog No	YP-mAb-05688
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	A4GALT A14GALT A4GALT1
Protein Name	Lactosylceramide 4-alpha-galactosyltransferase (EC 2.4.1.228) (Alpha-1,4-N-acetylglucosaminyltransferase) (Alpha-1,4-galactosyltransferase) (Alpha4Gal-T1) (CD77 synthase) (Globotriaosylceramide syntha
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	A4GAT Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	38kD
Cell Pathway	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

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 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],
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



Western Blot analysis of various cells using A4GAT Monoclonal Antibody