



# Anti-A4GALT (aa 91-303) polyclonal antibody (DPABH-00419)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	Recombinant fragment, corresponding to amino acids 91-303 of Human A4GALT
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, IHC-P
<b>Format</b>	Liquid
<b>Size</b>	200 µl
<b>Buffer</b>	Constituents: PBS, pH 7.2
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

# GENE INFORMATION

Gene Name	<a href="#">A4GALT alpha 1,4-galactosyltransferase [ Homo sapiens ]</a>
Official Symbol	A4GALT
Synonyms	A4GALT; alpha 1,4-galactosyltransferase; alpha 1,4 galactosyltransferase (globotriaosylceramide synthase, P blood group); lactosylceramide 4-alpha-galactosyltransferase; A14GALT; CD77 synthase; Gb3 synthase; Gb3S; globotriaosylceramide synthase; P(k); GB3 synthase; alpha4Gal-T1; P1/Pk synthase; P(k) antigen synthase; P blood group (P one antigen); alpha-1,4-N-acetylglucosaminyltransferase; UDP-galactose:beta-D-galactosyl-beta1-R 4-alpha-D-galactosyltransferase; P1; PK; A4GALT1;
Entrez Gene ID	<a href="#">53947</a>
Protein Refseq	<a href="#">NP_059132</a>
UniProt ID	<a href="#">Q9NPC4</a>
Chromosome Location	22q13.2
Pathway	Glycosphingolipid biosynthesis - globo series; Glycosphingolipid biosynthesis, globo-series, LacCer =>Gb4Cer; Metabolic pathways;
Function	galactosyltransferase activity; lactosylceramide 4-alpha-galactosyltransferase activity; transferase activity, transferring glycosyl groups;