



Anti-C1GALT1 (aa 264-363) polyclonal antibody (DPAB-DC2539)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene generates the common core 1 O-glycan structure, Gal-beta-1-3GalNAc-R, by the transfer of Gal from UDP-Gal to GalNAc-alpha-1-R. Core 1 is a precursor for many extended mucin-type O-glycans on cell surface and secreted glycoproteins. Studies in mice suggest that this gene plays a key role in thrombopoiesis and kidney homeostasis.[provided by RefSeq, Sep 2010]
Immunogen	C1GALT1 (NP_064541, 264 a.a. ~ 363 a.a) partial recombinant protein with GST tag. The sequence is ETFHPFVPEHHLIKGYLPRTFWYWNYNYYPPVEGPGCCSDLAVSFHYVDSTTMYELEYLV YHLRPYGYLYRYQPTLPERILKEISQANKNEDTKVKLGNP
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	C1GALT1 core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1 [Homo sapiens (human)]
Official Symbol	C1GALT1
Synonyms	C1GALT1; core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1; C1GALT; T-synthase; glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1; B3Gal-T8; core 1 beta3-Gal-T1; core 1 O-glycan T-synthase; core 1 UDP-galactose:N-acetylgalactosamine-alpha-R beta 1,3-galactosyltransferase 1; core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1;
Entrez Gene ID	56913
Protein Refseq	NP_064541
UniProt ID	A0A024RA32
Chromosome Location	7p21.3
Pathway	Metabolism of proteins; Mucin type O-Glycan biosynthesis; O-glycan biosynthesis, mucin type core; O-linked glycosylation of mucins
Function	glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase activity; metal ion binding; protein binding;