



## Rabbit Anti-GBGT1 antibody

SL13301R

<b>Product Name:</b>	GBGT1
<b>Chinese Name:</b>	红细胞糖苷 $\alpha$ 1抗体
<b>Alias:</b>	3-N-acetylgalactosaminyltransferase 1; A3GALNT; EC=2.4.1.-; Forssman glycolipid synthase-like protein; Forssman glycolipid synthetase (FS); Forssman synthetase; FS; GBGT1; GBGT1_HUMAN; Globoside alpha-1; globoside alpha-1,3-N-acetylgalactosaminyltransferase 1; glycolipid synthase-like protein; RP11-326L24.6; UNQ2513; UNQ2513/PRO6002.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	40kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human GBGT1:251-347/347
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	GBGT1 is a 347 amino acid single-pass type II membrane protein that belongs to the glycosyltransferase 6 family. Localizing to the golgi apparatus membrane, GBGT1 is widely expressed, with high levels found in placenta, ovary and peripheral blood

leukocyte, and lower levels expressed in liver, thymus and testis. GBGT1 utilizes manganese as a cofactor, and assists in the addition of N-acetylgalactosamine (GalNAc) in alpha-1,3-linkage to various substrates, resulting in the formation of glycolipids. Glycolipids are present in most eukaryotic cells and may assist in the adherence of certain pathogens. Existing as two alternatively spliced isoforms, the gene encoding GBGT1 maps to human chromosome 9q34.2 and mouse chromosome 2 A3.

**Function:**

Catalyzes the formation of some glycolipid via the addition of N-acetylgalactosamine (GalNAc) in alpha-1,3-linkage to some substrate. Glycolipids probably serve for adherence of some pathogens.

**Subcellular Location:**

Golgi apparatus membrane.

**Tissue Specificity:**

Widely expressed. Expressed at higher level in placenta, ovary and peripheral blood leukocyte, whereas it is weakly expressed in liver, thymus, and testis.

**Similarity:**

Belongs to the glycosyltransferase 6 family.

**SWISS:**

Q8N5D6

**Gene ID:**

26301

**Database links:**

[Entrez Gene: 26301](#)Human

[Entrez Gene: 227671](#)Mouse

[Omim: 606074](#)Human

[SwissProt: Q8N5D6](#)Human

[SwissProt: Q8VI38](#)Mouse

[Unigene: 495419](#)Human

[Unigene: 484270](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

