

# GBGT1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22026c

## Product Information

Application	WB, E
Primary Accession	<a href="#">Q8N5D6</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB55040
Calculated MW	40127

## Additional Information

Gene ID	26301
Other Names	Globoside alpha-1, 3-N-acetylgalactosaminyltransferase 1, 2.4.1.-, Forssman glycolipid synthase-like protein, GBGT1
Target/Specificity	This GBGT1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 154-185 amino acids from the Central region of human GBGT1.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GBGT1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Name	GBGT1 ( <a href="#">HGNC:20460</a> )
Function	Has lost the ability to synthesize Forssman glycolipid antigen (FORS1/FG) (PubMed: <a href="#">10506200</a> ). Might have acquired an alternative function in glycosphingolipid metabolism, but it remains to be established. It appears to have drifted more slowly than confirmed pseudogenes in the glycosyltransferase 6 family, suggesting that it has remained under

evolutionary pressure.

**Cellular Location**

Golgi apparatus membrane; Single-pass type II membrane protein

**Tissue Location**

Widely expressed. Expressed at higher level in placenta, ovary and peripheral blood leukocyte, whereas it is weakly expressed in liver, thymus, and testis (PubMed:10506200). Expressed in bone marrow erythroid cells (PubMed:23255552)

## Background

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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.

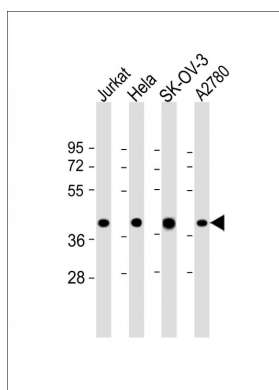
## References

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Xu H.,et al.J. Biol. Chem. 274:29390-29398(1999).  
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Humphray S.J.,et al.Nature 429:369-374(2004).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

## Images

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All lanes : Anti-GBGT1 Antibody (Center) at 1:2000 dilution  
Lane 1: Jurkat whole cell lysate Lane 2: HeLa whole cell lysate Lane 3: SK-OV-3 whole cell lysate Lane 4: A2780 whole cell lysate Lysates/proteins at 20 µg per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 40 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.