

**GL54D Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18455b****Specification**

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**GL54D Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">A6NG13</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	43743
Antigen Region	346-372

**GL54D Antibody (C-term) - Additional Information****Gene ID** 152586**Other Names**

Alpha-1, 3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase-like protein MGAT4D, 241-, MGAT4D ([HGNC:43619](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=43619))

**Target/Specificity**

This GL54D antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 346-372 amino acids from the C-terminal region of human GL54D.

**Dilution**

WB~~1:1000

**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**

GL54D Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**GL54D Antibody (C-term) - Protein Information****Name** MGAT4D ([HGNC:43619](#))**Function** May play a role in male spermatogenesis. In vitro acts as inhibitor of MGAT1 activity

causing cell surface proteins to carry mainly high mannose N-glycans. The function is mediated by its luminal domain and occurs specifically in the Golgi. A catalytic glucosyltransferase activity is not detected. May be involved in regulation of Sertoli-germ cell interactions during specific stages of spermatogenesis.

#### Cellular Location

Golgi apparatus membrane {ECO:0000250|UniProtKB:Q4V8F8}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:Q4V8F8}. Endoplasmic reticulum membrane; Single-pass type II membrane protein

#### Tissue Location

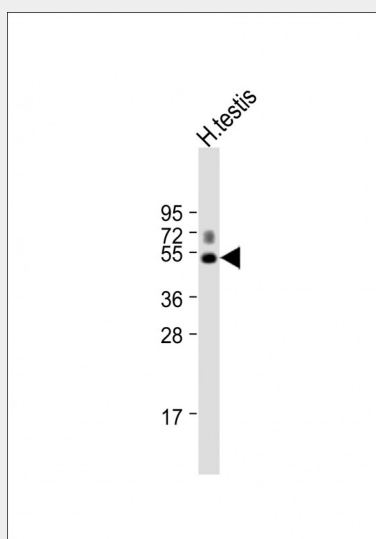
Expressed in testis. Poorly expressed in testis biopsies from men with impaired spermatogenesis

### GL54D Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### GL54D Antibody (C-term) - Images



Anti-GL54D Antibody (C-term) at 1:1000 dilution + human testis lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 44 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

### GL54D Antibody (C-term) - Background

The function of this protein remains unknown.