SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

**[ Primary Antibody ]**

# Rabbit Anti-GALNTL5 antibody

**Catalog Number: SL16228R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

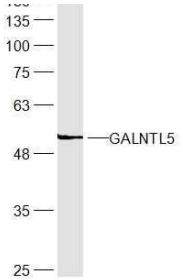
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|---|---|
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | GALNTL5 |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human GALNTL5: 61-160/443 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | WB=1:500-2000 （Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Mouse(predicted:Human) |
| **Predicted MW.:** | 51kDa |
| **Subcellular Location:** | cytoplasmic |
| **Background:** | GalNAc-TL4 utilizes manganese and calcium as cofactors and is expressed in testis. GalNAc-TL5 may assist with the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on protein receptors and likely catalyzes the initial reaction in O-linked oligosaccharide biosynthesis. Unlike other members of the GalNAc-T subfamily, GalNAc-TL5 does not contain a C-terminal ricin B-type lectin domain. GalNAc-TL5 contains two conserved domains located in its glycosyltransferase region. The N-terminal domain, also known as domain A or GT1 motif, may be involved in manganese coordination and substrate binding while the C-terminal domain, also known as domain B or Gal/GalNAc-T motif, is likely involved in catalytic reactions and UDP-Gal binding. GalNAc-TL5 exists as two alternatively spliced isoforms.<br>**Function:** May catalyze the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or |

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

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|---|---|
| | threonine residue on the protein receptor.<br>**Subcellular Location:** Golgi apparatus membrane.<br>**Tissue Specificity:** Expressed in testis.<br>**Similarity:** Belongs to the glycosyltransferase 2 family. GalNAc-T subfamily.<br>**Database links:**<br>**Entrez Gene:** 168391 Human<br>Omim: 615133 Human<br>**SwissProt:** Q7Z4T8 Human<br>**Unigene:** 647077 Human |

## [ VALIDATION IMAGES ]




Sample:
Testis (Mouse) Lysate at 40 ug
Primary: Anti-GALNTL5 (SL16228R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 51 kD
Observed band size: 51 kD

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