

Product datasheet

Anti-GALNTL6 antibody ab122149

[2 Images](#)

Overview

Product name	Anti-GALNTL6 antibody
Description	Rabbit polyclonal to GALNTL6
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	antigen sequence corresponding to amino acids 33-114 (DKHLVKS AEP GEQQT FPLGL GDGQFY SWTD GLRRKDW HDY ES IQKEAMRS GKGEHGK PYP LTEEDHDDSA YRENGFNIFV SN) of Human GALNTL6. Run BLAST with Expasy Run BLAST with NCBI
Positive control	Human Placenta tissue; RT-4 and U-251 MG cell lysate.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab122149 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.04 - 0.4 µg/ml.
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function

Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor.

Pathway

Protein modification; protein glycosylation.

Sequence similarities

Belongs to the glycosyltransferase 2 family. GalNAc-T subfamily.
Contains 1 ricin B-type lectin domain.

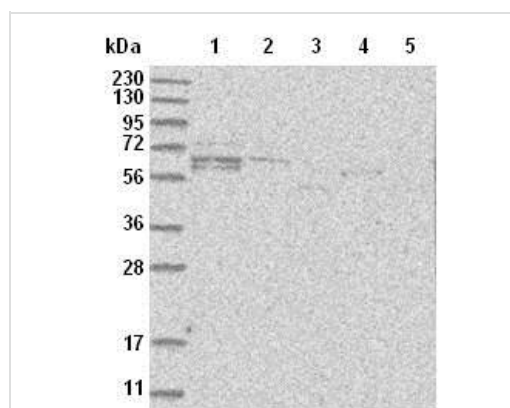
Domain

There are two conserved domains in the glycosyltransferase region: the N-terminal domain (domain A, also called GT1 motif), which is probably involved in manganese coordination and substrate binding and the C-terminal domain (domain B, also called Gal/GalNAc-T motif), which is probably involved in catalytic reaction and UDP-Gal binding.
The ricin B-type lectin domain binds to GalNAc and contributes to the glycopeptide specificity.

Cellular localization

Golgi apparatus membrane.

Images



Western blot - Anti-GALNTL6 antibody (ab122149)

All lanes : Anti-GALNTL6 antibody (ab122149) at 1/250 dilution

Lane 1 : RT-4 cell lysate

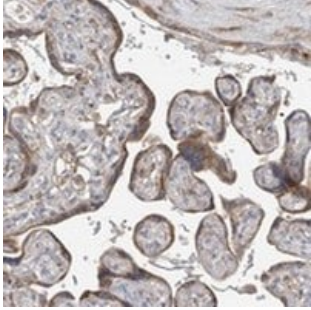
Lane 2 : U-251 MG cell lysate

Lane 3 : Human Plasma

Lane 4 : Human Liver lysate

Lane 5 : Human Tonsil lysate

Developed using the ECL technique.



ab122149, at 1/135, staining GALNTL6 in paraffin-embedded Human placenta tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GALNTL6 antibody (ab122149)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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