

C2GNT3 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55827

Specification

C2GNT3 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession <u>O9P109</u>

Reactivity Rat, Pig, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 53 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human C2GNT3

Epitope Specificity 301-400/453

Isotype IgG

Purity affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Golgi apparatus membrane; Single-pass

typell membrane protein (By similarity). Belongs to the glycosyltransferase 14

family.

Important Note

This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

C2GNT3 Polyclonal Antibody - Additional Information

Gene ID 51301

SIMILARITY

Other Names

Beta-1, 3-galactosyl-O-glycosyl-glycoprotein beta-1, 6-N-acetylglucosaminyltransferase 4, 2.4.1.102, Core 2-branching enzyme 3, Core2-GlcNAc-transferase 3, C2GnT3, GCNT4

Target/Specificity

Predominantly expressed in thymus. Weaklyexpressed in pancreas, peripheral blood leukocytes, placenta, smallintestine and stomach. Barely detectable in liver, spleen, lung andlymph node.

Dilution

WB~~1:1000<br \><span class</pre>

="dilution IHC-P">IHC-P~~N/A<br \><span class

="dilution_IHC-F">IHC-F \sim N/A<br \><span class

="dilution_IF">IF \sim 1:50 \sim 200<br \>ICC \sim N/A<br \>E \sim N/A

Storage



Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. 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 $^{\circ}$ C.

C2GNT3 Polyclonal Antibody - Protein Information

Name GCNT4

Function

Glycosyltransferase that mediates core 2 O-glycan branching, an important step in mucin-type biosynthesis. Does not have core 4 O- glycan or I-branching enzyme activity.

Cellular Location

Golgi apparatus membrane; Single- pass type II membrane protein

Tissue Location

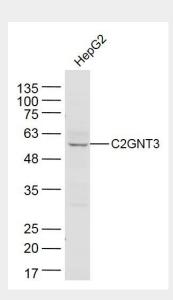
Predominantly expressed in thymus. Weakly expressed in pancreas, peripheral blood leukocytes, placenta, small intestine and stomach. Barely detectable in liver, spleen, lung and lymph node

C2GNT3 Polyclonal Antibody - Protocols

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

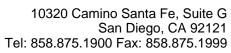
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

C2GNT3 Polyclonal Antibody - Images



Sample:

HepG2(Human) Cell Lysate at 40 ug





Primary: Anti-C2GNT3 (bs-15145R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 53 kD Observed band size: 53 kD