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C1GALT1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20432c

Specification

C1GALT1 Antibody (Center) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q9NS00
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**115-144**

C1GALT1 Antibody (Center) - Additional Information

Gene ID 56913

Other Names
Glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1, B3Gal-T8, Core 1 O-glycan T-synthase, Core 1 UDP-galactose:N-acetylgalactosamine-alpha-R beta 1, 3-galactosyltransferase 1, Beta-1, 3-galactosyltransferase, Core 1 beta1, 3-galactosyltransferase 1, C1GalT1, Core 1 beta3-Gal-T1, C1GALT1

Target/Specificity
This C1GALT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 115-144 amino acids from the Central region of human C1GALT1.

Dilution
WB~~1:1000
IHC-P~~1:100

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
C1GALT1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

C1GALT1 Antibody (Center) - Protein Information

Name C1GALT1

Function Glycosyltransferase that generates the core 1 O-glycan Gal-beta1-3GalNAc-alpha1-Ser/Thr (T antigen), which is a precursor for many extended O-glycans in glycoproteins. Plays a central role in many processes, such as angiogenesis, thrombopoiesis and kidney homeostasis development.

Cellular Location
Membrane; Single-pass type II membrane protein

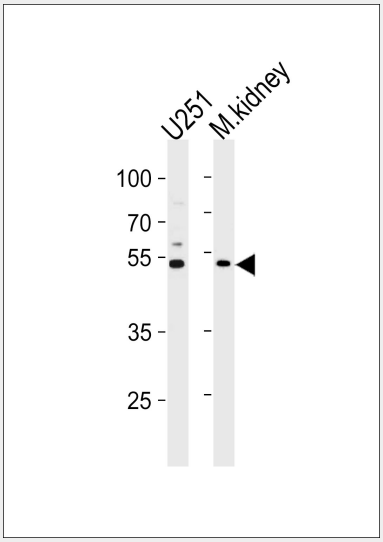
Tissue Location
Widely expressed. Highly expressed in kidney, heart, placenta and liver.

C1GALT1 Antibody (Center) - Protocols

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

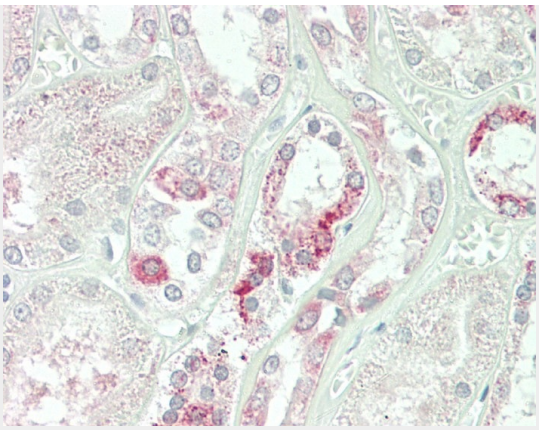
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

C1GALT1 Antibody (Center) - Images



C1GALT1 Antibody (Center) (Cat. #AP20432c) western blot analysis in U251 cell line and mouse kidney lysates (35ug/lane).This demonstrates the C1GALT1 antibody detected the C1GALT1 protein (arrow).

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Formalin-fixed and paraffin-embedded H.kidney tissue reacted with C1GALT1 Antibody (Center) (Cat#AP20432c).

C1GALT1 Antibody (Center) - Background

Glycosyltransferase that generates the core 1 O-glycan Gal-beta1-3GalNAc-alpha1-Ser/Thr (T antigen), which is a precursor for many extended O-glycans in glycoproteins. Plays a central role in many processes, such as angiogenesis, thrombopoiesis and kidney homeostasis development.

C1GALT1 Antibody (Center) - References

Ju T., et al. J. Biol. Chem. 277:178-186(2002).
Jensen M.P.A., et al. Submitted (JUN-1999) to the EMBL/GenBank/DDBJ databases.
Hillier L.W., et al. Nature 424:157-164(2003).
Scherer S.W., et al. Science 300:767-772(2003).
Ju T., et al. Proc. Natl. Acad. Sci. U.S.A. 99:16613-16618(2002).