

# C1GALT1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20432c

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q9NS00</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Calculated MW</b>	42203
<b>Antigen Region</b>	115-144

## Additional Information

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<b>Gene ID</b>	56913
<b>Other Names</b>	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
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	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.
<b>Precautions</b>	C1GALT1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	C1GALT1
<b>Function</b>	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 (PubMed:[11677243](#)). Plays a central role in many processes, such as angiogenesis, thrombopoiesis and kidney homeostasis development (By similarity).

**Cellular Location**

Membrane {ECO:0000250|UniProtKB:Q9JJ05}; Single- pass type II membrane protein

**Tissue Location**

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

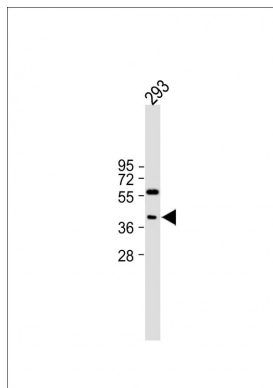
## Background

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.

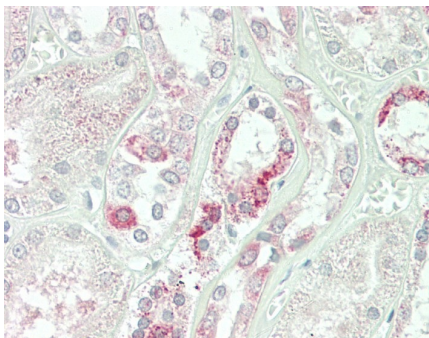
## References

- 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).

## Images



All lanes : Anti-C1GALT1 Antibody (Center) at 1:1000 dilution  
Lane 1: 293 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Observed band size : 42kDa  
Blocking/Dilution buffer: 5% NFDm/TBST.



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.