

Rabbit anti-Human C1GALT1 Polyclonal Antibody | anti-C1GALT1 antibody

C1GALT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234713	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

C1GALT1; Polyclonal Antibody; C1GALT1 Antibody; 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; C1GalT1; Core 1 beta3-Gal-T1; anti-C1GALT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	363
Applicable Applications for anti-C1GALT1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1 protein (34-143AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of HepG2 cells with AAA234713 at 1:333, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234713 diluted at 1:1000 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA234713 diluted at 1:1000 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: U251 whole cell lysate, HepG2 whole cell lysateAll lanes: C1GALT1 antibody at 4.4ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 43, 36 KDaObserved band size: 43 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-C1GALT1 antibody	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.
Product Categories/Family for anti-C1GALT1 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	9910144
NCBI GeneID	56913
NCBI Accession #	NP_064541.1
NCBI GenBank Nucleotide #	NM_020156.4
UniProt Accession #	Q9NS00; Q96QH4; Q9BTU1
Molecular Weight	35,935 Da
NCBI Official Full Name	glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1
NCBI Official Synonym Full Names	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1
NCBI Official Symbol	C1GALT1
NCBI Official Synonym Symbols	C1GALT; T-synthase
NCBI Protein Information	glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1
UniProt Protein Name	Glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1
UniProt Gene Name	C1GALT1
UniProt Synonym Gene Names	Beta-1,3-galactosyltransferase; C1GalT1; Core 1 beta3-Gal-T1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/c1galt1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/234713>