



[Go to Product page](#)

Datasheet for ABIN1714179
anti-Galnt1 antibody (AA 101-200)

Overview

Quantity:	100 µL
Target:	Galnt1
Binding Specificity:	AA 101-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Galnt1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GALNT1/GalNAc-T1
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	Galnt1
Alternative Name:	GALNT1/GalNAc-T1 (Galnt1 Products)

Target Details

Background: Synonyms: GALNAC T1, GalNAc transferase 1, GalNAc-T1, GALNT 1, GALNT1, GALT1_HUMAN, Polypeptide GalNAc transferase 1, Polypeptide N acetylgalactosaminyltransferase 1, Polypeptide N-acetylgalactosaminyltransferase 1 soluble form, pp GaNTase 1, pp-GaNTase 1, Protein UDP acetylgalactosaminyltransferase 1, Protein-UDP acetylgalactosaminyltransferase 1, UDP GalNAc:polypeptide N acetylgalactosaminyltransferase 1, UDP N acetyl alpha D galactosamine:polypeptide N acetylgalactosaminyltransferase 1 GalNAc T1, UDP N acetyl alpha D galactosamine:polypeptide N acetylgalactosaminyltransferase 1, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 1.

Background: The UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes are substrate-specific proteins that catalyze the transfer of GalNAc (N-acetylgalactosamine) to serine and threonine residues onto various proteins, thereby initiating mucin-type O-linked glycosylation in the Golgi apparatus. GalNAc-T1, also known as GALNT1 (Polypeptide N-acetylgalactosaminyltransferase 1), is a ubiquitously expressed 559 amino acid single-pass type II membrane protein that localizes to the Golgi apparatus and, like other GalNAc-Ts, contains a stem region and a C-terminal ricin/lectin-like domain. GalNAc-T1 catalyzes the first reaction in O-linked oligosaccharide biosynthesis, namely the transfer of an N-acetyl-D-galactosamine residue to a protein acceptor. GalNAc-T1 uses calcium and manganese as cofactors. Due to alternative splicing events, two GalNAc-T1 isoforms are expressed.

Gene ID: 2589

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Handling

Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months