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Datasheet for ABIN1711694
anti-Galnt1 antibody (AA 101-200) (HRP)

Overview

Quantity:	100 µL
Target:	Galnt1
Binding Specificity:	AA 101-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Galnt1 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

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)
Background:	Synonyms: GALNAC T1, GalNAc transferase 1, GalNAc-T1, GALNT 1, GALNT1, GALT1_HUMAN,

Target Details

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
IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

handled by trained staff only.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months