ARG58728
anti-GALNT2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GALNT2
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GALNT2
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 442-571 of Human GALNT2 (NP_004472.1).
Conjugation	Un-conjugated
Alternate Names	Protein-UDP acetylgalactosaminyltransferase 2; EC 2.4.1.41; pp-GaNTase 2; GalNAc-T2; Polypeptide N-acetylgalactosaminyltransferase 2; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 2; Polypeptide GalNAc transferase 2

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
IHC-P	1:50 - 1:200
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Observed Size	65 kDa

Properties

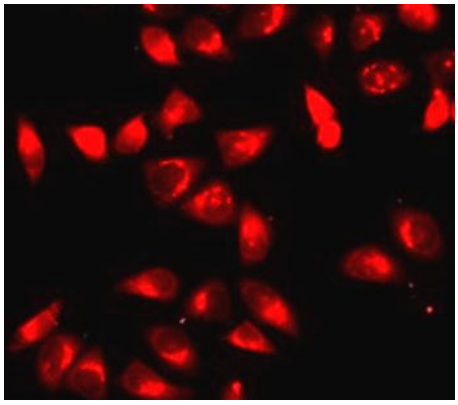
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

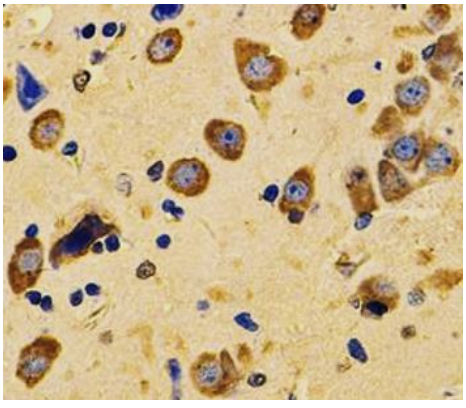
Gene Symbol	GALNT2
Gene Full Name	polypeptide N-acetylgalactosaminyltransferase 2
Background	This gene encodes a member of the glycosyltransferase 2 protein family. Members of this family initiate mucin-type O-glycoslation of peptides in the Golgi apparatus. The encoded protein may be involved in O-linked glycosylation of the immunoglobulin A1 hinge region. This gene may influence triglyceride levels, and may be involved Type 2 diabetes, as well as several types of cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]
Function	Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Has a broad spectrum of substrates for peptides such as EA2, Muc5AC, Muc1a, Muc1b. Probably involved in O-linked glycosylation of the immunoglobulin A1 (IgA1) hinge region. [UniProt]
Calculated Mw	65 kDa
Cellular Localization	Golgi apparatus, Golgi stack membrane, Single-pass type II membrane protein, Secreted. [UniProt]

Images



ARG58728 anti-GALNT2 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG58728 anti-GALNT2 antibody.



ARG58728 anti-GALNT2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain stained with ARG58728 anti-GALNT2 antibody at 1:100 dilution.