Datasheet for ABIN499867

anti-GALNT10 antibody (N-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	GALNT10
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GALNT10 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	GALNT10 antibody was raised against a 16 amino acid peptide near the amino terminus of human GALNT10.
Isotype:	IgG
Specificity:	This antibody reacts to GALNT10.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	GALNT10
Alternative Name:	GALNT10 (GALNT10 Products)

Target Details

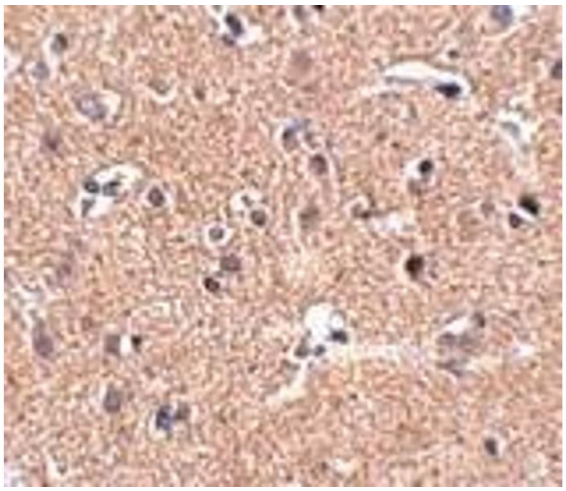
Background:	Protein glycosylation is an important biological process that is carried out by a large family of glycosyltransferases that catalyze the synthesis of oligosaccharides and glycoconjugates. Polypeptide GalNAc transferases initiate the synthesis of mucin-type oligosaccharides by transferring GalNAc from UDP-GalNAc to the hydroxyl group of either a serine or threonine residue on the polypeptide acceptor. Polypeptide galactoaminyltransferase 10 (GALNT10) belongs to the polypeptide N-acetylgalactosaminyl-transferase (pp-GalNAc-T) protein family. Following expression in insect cells, recombinant GALNT10 showed significant GalNAcT activity toward mucin-derived peptides, and it utilized both non-glycosylated and glycosylated peptide substrates. GALNT10 mRNA is highly expressed in several distinct hypothalamic, thalamic, and amygdaloid nuclei in mouse brain. At least four isoforms of GALNT10 are known to exist.Synonyms: GalNAc transferase 10, GalNAc-T10, Polypeptide N-acetylgalactosaminyltransferase 10, Protein-UDP acetylgalactosaminyltransferase 10, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 10, pp-GaNTase 10
Gene ID:	55568
NCBI Accession:	NP_938080
UniProt:	Q86SR1

Application Details

Application Notes:	ELISA. Western Blot: 1 - 2 µg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

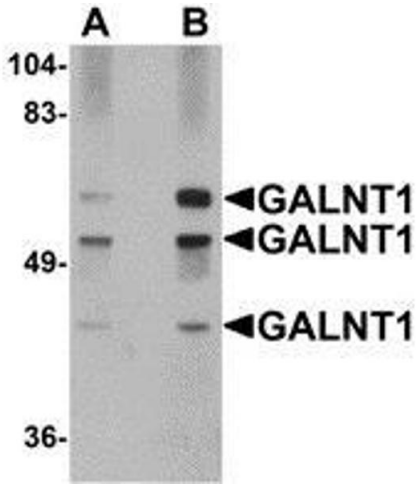
Handling

Buffer:	PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of GALNT10 in human brain tissue with GALNT10 antibody at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of GALNT10 in rat brain tissue lysate with AP30352PU-N GALNT10 antibody at (A) 1 and (B) 2 µg/ml.

