GALNT10 Antibody

Catalog No: #24939

Orders: order@signalwayantibody.com
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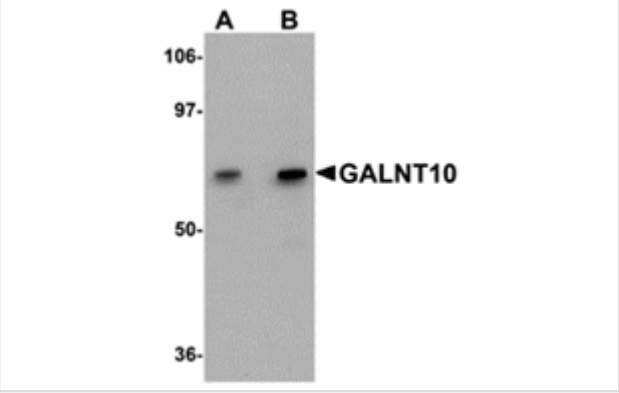
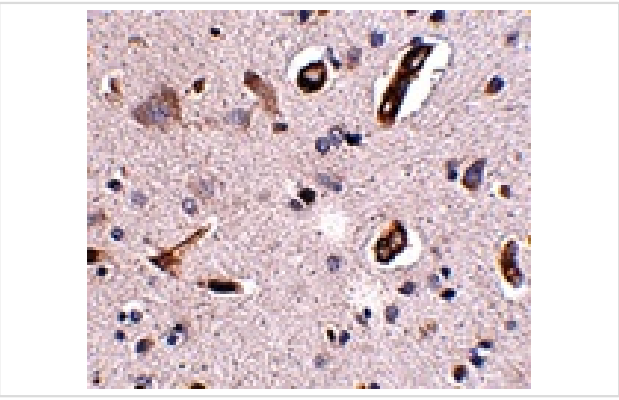
Description

Product Name	GALNT10 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against an 18 amino acid peptide near the carboxy terminus of human GALNT10.
Target Name	GALNT10
Other Names	Polypeptide galactoaminyltransferase 10, GalNAc transferase 10
Accession No.	Swiss-Prot:Q86SR1Gene ID:55568
Uniprot	Q86SR1
GeneID	55568;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of GALNT10 in SK-N-SH cell lysate with GALNT10 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of GALNT10 in human brain tissue with GALNT10 antibody at 2.5 ug/mL.

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.

Note: This product is for in vitro research use only