

Anti-GALNT10 Antibody

Catalog Number: A09635

About GALNT10

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 galactosaminyltransferase 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.

Overview

Product Name	Anti-GALNT10 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-GALNT10 Antibody (Catalog # A09635). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	GALNT10 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	GALNT10 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q86SR1

Technical Details

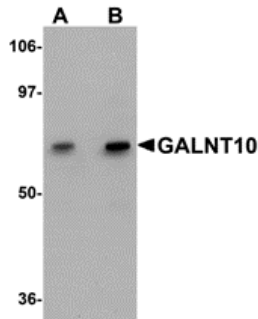
Immunogen	GALNT10 antibody was raised against an 18 amino acid synthetic peptide near the carboxy terminus of human GALNT10. The immunogen is located within amino acids 530 - 580 of GALNT10.
Predicted Reactive Species	Bovine, Chicken, Mouse, Rat
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	GALNT10 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

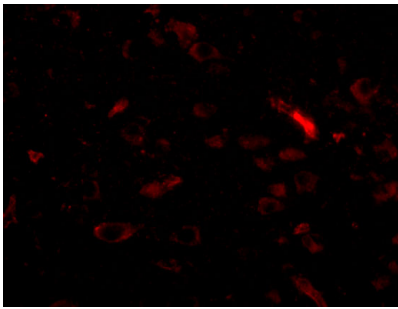
GALNT10 antibody can be used for detection of GALNT10 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

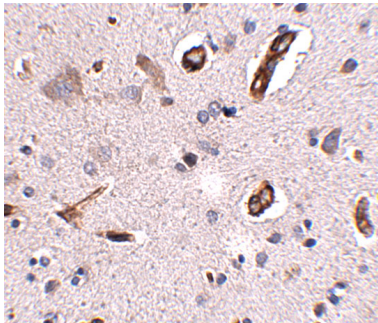
Anti-GALNT10 Antibody (A09635) Images



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



Immunofluorescence of GALNT10 in Human Brain cells with GALNT10 antibody at 20 ug/mL.



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

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Anti-GALNT10 Antibody

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