Rabbit GALNT10 Polyclonal Antibody | anti-GALNT10 antibody

GALNT10 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39441	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot, ELISA**

PRODUCT SYNONYMS

GALNT10; Polyclonal Antibody; GALNT10 Antibody; GALNACT10; PPGALNACT10; PPGANTASE10; Polypeptide N-acetylgalactosaminyltransferase 10; Polypeptide GalNAc transferase 10; GalNAc-T10; UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 10 (GalNAc-T10); anti-GALNT10 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	GALNT10 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	603
Applicable Applications for anti-GALNT10 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	GALNT10 antibody was raised against an 18 amino acid synthetic peptide near the carboxy terminus of human GALNT10.
Buffer	GALNT10 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	GALNT10 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to 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

IF (Immunofluorescence)
Immunofluorescence of GALNT10 in Human Brain cells with GALNT10 antibody at 20 μg/mL.

IHC (Immunohiostchemistry)
Immunohistochemistry of GALNT10 in human brain tissue with GALNT10 antibody at 2.5 μg/mL.

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

ADDITIONAL INFORMATION

Related Product Information for anti-GALNT10 antibody	GALNT10 Antibody: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38195091
NCBI GeneID	55568
NCBI Accession #	NP_938080
NCBI GenBank Nucleotide #	NM_198321.3
UniProt Accession #	Q86SR1; Q6IN56; Q86VP8; Q8IXJ2; Q8TEJ2; Q96IV2; Q9H8E1; Q9Y4M4; B3KXC9
Molecular Weight	31,833 Da
NCBI Official Full Name	polypeptide N-acetylgalactosaminyltransferase 10
NCBI Official Synonym Full Names	polypeptide N-acetylgalactosaminyltransferase 10
NCBI Official Symbol	GALNT10
NCBI Official Synonym Symbols	GALNACT10; PPGALNACT10; PPGANTASE10
NCBI Protein Information	polypeptide N-acetylgalactosaminyltransferase 10; GalNAc transferase 10; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 10; UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 10 (GalNAc-T10)
UniProt Protein Name	Polypeptide N-acetylgalactosaminyltransferase 10
UniProt Gene Name	**GALNT10**
UniProt Synonym Gene Names	GalNAc-T10; pp-GaNTase 10
UniProt Entry Name	GLT10_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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