

**GALNT9 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17972c****Specification**

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**GALNT9 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9HCQ5](#)**GALNT9 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 50614**Other Names**

Polypeptide N-acetylgalactosaminyltransferase 9, Polypeptide GalNAc transferase 9, GalNAc-T9, pp-GaNTase 9, Protein-UDP acetylgalactosaminyltransferase 9, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 9, GALNT9

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**GALNT9 Antibody (Center) Blocking Peptide - Protein Information****Name** GALNT9**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. Does not glycosylate apomucin or SDC3.

**Cellular Location**

Golgi apparatus membrane; Single-pass type II membrane protein

**Tissue Location**

Specifically expressed in brain. Not expressed in heart, placenta, lung, liver, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, testis, ovary, small intestine, colon and leukocyte. In brain, it is expressed in cerebellum, frontal lobe, temporal lobe, putamen and spinal cord, weakly expressed in cerebral cortex. Not expressed in medulla and occipital pole

**GALNT9 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **GALNT9 Antibody (Center) Blocking Peptide - Images**

#### **GALNT9 Antibody (Center) Blocking Peptide - Background**

This gene encodes a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes. GalNAc-Ts initiate mucin-type O-linked glycosylation in the Golgi apparatus by catalyzing the transfer of GalNAc to serine and threonine residues on target proteins. They are characterized by an N-terminal transmembrane domain, a stem region, a lumenal catalytic domain containing a GT1 motif and Gal/GalNAc transferase motif, and a C-terminal ricin/lectin-like domain. GalNAc-Ts have different, but overlapping, substrate specificities and patterns of expression. This gene is expressed specifically in the brain, with highest expression in the cerebellum. Multiple transcript variants encoding different isoforms have been found for this gene.

#### **GALNT9 Antibody (Center) Blocking Peptide - References**

Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006) Zhang, Y., et al. J. Biol. Chem. 278(1):573-584(2003) Toba, S., et al. Biochim. Biophys. Acta 1493 (1-2), 264-268 (2000) :