

UGT8 antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP11630c**Specification**

UGT8 antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q16880](#)**UGT8 antibody (Center) Blocking peptide - Additional Information****Gene ID** 7368**Other Names**

2-hydroxyacylsphingosine 1-beta-galactosyltransferase, Ceramide UDP-galactosyltransferase, Cerebroside synthase, UDP-galactose-ceramide galactosyltransferase, UGT8, CGT, UGT4

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.

UGT8 antibody (Center) Blocking peptide - Protein Information**Name** UGT8 ([HGNC:12555](#))**Synonyms** CGT, UGT4**Function**

Catalyzes the transfer of galactose to ceramide, a key enzymatic step in the biosynthesis of galactocerebrosides, which are abundant sphingolipids of the myelin membrane of the central nervous system and peripheral nervous system (PubMed:9125199). Galactosylates both hydroxy- and non-hydroxy fatty acid-containing ceramides and diglycerides (By similarity).

Cellular LocationMembrane; Single-pass membrane protein. Endoplasmic reticulum
{ECO:0000250|UniProtKB:Q09426}**UGT8 antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

UGT8 antibody (Center) Blocking peptide - Images**UGT8 antibody (Center) Blocking peptide - Background**

Galactocerebrosides are abundant sphingolipids of the myelin membrane of the central nervous system and peripheral nervous system and are also present in small amounts in kidney. The key enzymatic step in the biosynthesis of galactocerebrosides consists of the transfer of galactose to ceramide catalyzed by UDP-galactose ceramide galactosyltransferase (CGT, EC 2.4.1.45). The enzyme encoded by the CGT gene is the first involved in complex lipid biosynthesis in the myelinating oligodendrocyte. [supplied by OMIM].

UGT8 antibody (Center) Blocking peptide - References

Dzieciński Giel, P., et al. Br. J. Cancer 103(4):524-531(2010) Kalsi, G., et al. Hum. Mol. Genet. 19(12):2497-2506(2010) Ross, C.J., et al. Nat. Genet. 41(12):1345-1349(2009) Ruckhaberle, E., et al. J. Cancer Res. Clin. Oncol. 135(8):1005-1013(2009) Saito, A., et al. J. Hum. Genet. 54(6):317-323(2009)