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GAL3ST4 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9344b

Specification

GAL3ST4 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q96RP7

GAL3ST4 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 79690

Other Names
Galactose-3-O-sulfotransferase 4, Gal3ST-4, 282-, Beta-galactose-3-O-sulfotransferase 4, Gal-beta-1, 3-GalNAc 3'-sulfotransferase, GAL3ST4

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.

GAL3ST4 Antibody (C-term) Blocking Peptide - Protein Information

Name GAL3ST4

Function
Catalyzes the transfer of sulfate to beta-1,3-linked galactose residues in O-linked glycoproteins. Good substrates include asialofetuin, Gal-beta-1,3-GalNAc and Gal-beta-1,3 (GlcNAc-beta-1,6)GalNAc.

Cellular Location
Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein

Tissue Location
Expressed mainly in placenta, thymus, testis, ovary, spinal cord, trachea and adrenal gland and at low levels in brain, lung, spleen, prostate, small intestine, colon, stomach thyroid and lymph node.

GAL3ST4 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

GAL3ST4 Antibody (C-term) Blocking Peptide - Images

GAL3ST4 Antibody (C-term) Blocking Peptide - Background

GAL3ST4 encodes a member of the galactose-3-O-sulfotransferase protein family. The product of this gene catalyzes sulfonation by transferring a sulfate to the C-3' position of galactose residues in O-linked glycoproteins. This enzyme is highly specific for core 1 structures, with asialofetuin, Gal-beta-1,3-GalNAc and Gal-beta-1,3 (GlcNAc-beta-1,6)GalNAc being good substrates.

GAL3ST4 Antibody (C-term) Blocking Peptide - References

Wan,D. Proc. Natl. Acad. Sci. U.S.A. 101 (44), 15724-15729 (2004)Chandrasekaran,E.V. J. Biol. Chem. 279 (11), 10032-10041 (2004)Seko,A. J. Biol. Chem. 276 (28), 25697-25704 (2001)