

GAL3ST2 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP10398b**Specification**

GAL3ST2 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [O9H3Q3](#)
Other Accession [NP_071417.2](#)

GAL3ST2 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 64090

Other Names

Galactose-3-O-sulfotransferase 2, Gal3ST-2, 282-, Beta-galactose-3-O-sulfotransferase 2, Gal-beta-1, 3-GalNAc 3'-sulfotransferase 2, Glycoprotein beta-Gal 3'-sulfotransferase 2, GAL3ST2, GP3ST

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.

GAL3ST2 Antibody (C-term) Blocking peptide - Protein Information

Name GAL3ST2

Synonyms GP3ST

Function

Transfers a sulfate group to the hydroxyl group at C3 of non-reducing beta-galactosyl residues. Acts both on type 1 (Gal-beta-1,3-GlcNAc) and type 2 (Gal-beta-1,4-GlcNAc) chains with similar efficiency.

Cellular Location

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

Tissue Location

Ubiquitous. Detected in heart, stomach, colon, liver and spleen, in epithelial cells lining the lower to middle layer of the crypts in colonic mucosa, hepatocytes surrounding the central vein of the liver, extravillous cytotrophoblasts in the basal plate of the septum of the placenta, renal tubules of the kidney, and neuronal cells of the cerebral cortex.

GAL3ST2 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

GAL3ST2 Antibody (C-term) Blocking peptide - Images**GAL3ST2 Antibody (C-term) Blocking peptide - Background**

This gene encodes a member of the galactose-3-O-sulfotransferase protein family. The product of this gene catalyzes sulfonation by transferring a sulfate group to the hydroxyl at C-3 of nonreducing beta-galactosyl residues, and it can act on both type 1 and type 2 (Gal beta 1-3/1-4GlcNAc-R) oligosaccharides with similar efficiencies, and on core 1 glycans. This enzyme has been implicated in tumor metastasis processes. This gene is different from the GAL3ST3 gene located on chromosome 11, which has also been referred to as GAL3ST2 and encodes a related enzyme with distinct tissue distribution and substrate specificities, compared to galactose-3-O-sulfotransferase 2.

GAL3ST2 Antibody (C-term) Blocking peptide - References

Seko, A., et al. Biochem. J. 391 (PT 1), 77-85 (2005) ; Shi, B.Z., et al. Biochem. Biophys. Res. Commun. 332(4):934-940(2005) Chandrasekaran, E.V., et al. J. Biol. Chem. 279(11):10032-10041(2004) Seko, A., et al. Jpn. J. Cancer Res. 93(5):507-515(2002) Koma, M., et al. J. Biochem. 131(4):517-522(2002)