

GAL3ST3 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP13192c**Specification**

GAL3ST3 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q96A11](#)**GAL3ST3 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 89792**Other Names**

Galactose-3-O-sulfotransferase 3, Gal3ST-3, 282-, Beta-galactose-3-O-sulfotransferase 3, Gal3ST3, Gal-beta-1, 3-GalNAc 3'-sulfotransferase 3, GAL3ST3

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13192c was selected from the Center region of GAL3ST3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

GAL3ST3 Antibody (Center) Blocking Peptide - Protein Information**Name** GAL3ST3**Function**

Transfers a sulfate to position 3 of non-reducing beta- galactosyl residues in N-glycans and core2-branched O-glycans. Has high activity towards Gal-beta-1,4-GlcNAc, Gal-beta-1,4(Fuc-alpha-1,3)GlcNAc and lower activity towards Gal-beta-1,3(Fuc-alpha-1,4)GlcNAc.

Cellular Location

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

Tissue Location

Highly expressed in thyroid, brain, kidney, heart and spinal cord.

GAL3ST3 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GAL3ST3 Antibody (Center) Blocking Peptide - Images

GAL3ST3 Antibody (Center) 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 3' position of galactose in N-acetyllactosamine in both type 2 (Gal-beta-1-4GlcNAc-R) oligosaccharides and core-2-branched O-glycans, but not on type 1 or core-1-branched structures. This gene, which has also been referred to as GAL3ST2, is different from the GAL3ST2 gene located on chromosome 2 that encodes a related enzyme with distinct tissue distribution and substrate specificities, compared to galactose-3-O-sulfotransferase 3.

GAL3ST3 Antibody (Center) Blocking Peptide - References

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El-Fasakhany, F.M., et al. J. Biol. Chem. 276(29):26988-26994(2001)
Seko, A., et al. J. Biol. Chem. 276(28):25697-25704(2001)
Suzuki, A., et al. J. Biol. Chem. 276(26):24388-24395(2001)
Chandrasekaran, E.V., et al. Glycoconj. J. 16(9):523-536(1999)