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FUT6 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP12944a

Specification

FUT6 Antibody (N-term) Blocking peptide - Product Information

Primary Accession P51993

FUT6 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 2528

Other Names
Alpha-(1, 3)-fucosyltransferase 6, Fucosyltransferase 6, Fucosyltransferase VI, Fuc-TVI, FucT-VI, Galactoside 3-L-fucosyltransferase, FUT6, FCT3A

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.

FUT6 Antibody (N-term) Blocking peptide - Protein Information

Name FUT6 (HGNC:4017)

Synonyms FCT3A

Function
[Isoform 1]: Catalyzes the transfer of L-fucose, from a guanosine diphosphate-beta-L-fucose, to the N-acetyl glucosamine (GlcNAc) of a distal alpha2,3 sialylated lactosamine unit of a glycoprotein- or a glycolipid-linked sialopolylactosamines chain or of a distal or internal lactosamine unit of a neutral glycoprotein- or a glycolipid-linked polylactosamines chain through an alpha-1,3 glycosidic linkage and participates in surface expression of the sialyl Lewis X (sLe(x)), Lewis X (Le(x)) and non sialylated VIM2 determinants (PubMed:9451035, PubMed:1520296, PubMed:1339443, PubMed:7650030, PubMed:17604274, PubMed:9363434, PubMed:10728707, PubMed:29593094). Moreover transfers fucose to H-type 2 (Fucalpha1-2Galbeta1-4GlcNAc) chain acceptor substrates and participates in difucosylated sialyl

Lewis x determinants (PubMed:17604274, PubMed:1339443). Also fucosylates a polylactosamine substrate having a 6 sulfate modification at the GlcNAc moiety and gives rise to sialyl and non-sialyl 6-sulfo lewis X (PubMed:10728707). Does not have activity towards type 1 ((Galbeta1-3GlcNAc)) and H-type 1 chain (Fucalpha1-2Galbeta1-3GlcNAc) acceptors substrates (PubMed:1339443, PubMed:17604274, PubMed:9363434).

Cellular Location
Golgi apparatus, Golgi stack membrane; Single- pass type II membrane protein. Golgi apparatus. Secreted Note=Membrane-bound form in trans cisternae of Golgi

Tissue Location
Kidney, liver, colon, small intestine, bladder, uterus and salivary gland

FUT6 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

FUT6 Antibody (N-term) Blocking peptide - Images

FUT6 Antibody (N-term) Blocking peptide - Background

The protein encoded by this gene is a Golgi stack membraneprotein that is involved in the creation of sialyl-Lewis X, anE-selectin ligand. Mutations in this gene are a cause offucosyltransferase-6 deficiency. Two transcript variants encodingthe same protein have been found for this gene. [provided byRefSeq].

FUT6 Antibody (N-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Stern, H.M., et al. Clin. Cancer Res. 16(5):1587-1596(2010)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Norden, R., et al. Glycobiology 19(7):776-788(2009)Higai, K., et al. Glycoconj. J. 25(3):225-235(2008)