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FUT5 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54232

Specification

FUT5 Polyclonal Antibody - Product Information

Application	**IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q11128
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**42989**

FUT5 Polyclonal Antibody - Additional Information

Gene ID 2527

Other Names
4-galactosyl-N-acetylglucosaminide 3-alpha-L-fucosyltransferase FUT5, 2.4.1.152, 3-galactosyl-N-acetylglucosaminide 4-alpha-L-fucosyltransferase FUT5, 2.4.1.65, Fucosyltransferase 5, Fucosyltransferase V, Fuc-TV, FucT-V, Galactoside 3-L-fucosyltransferase, FUT5 (HGNC:4016)

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

FUT5 Polyclonal Antibody - Protein Information

Name FUT5 (HGNC:4016)

Function
Catalyzes preferentially the transfer of L-fucose, from a guanosine diphosphate-beta-L-fucose, to the N-acetyl-beta-D-glucosamine (GlcNAc) of an N-acetyllactosamine unit (type 2 chain) of an oligosaccharide, or a glycoprotein- and a glycolipid-linked N- acetyllactosamine unit via an alpha (1,3) linkage and participates in the surface expression of VIM-2, Lewis X/SSEA-1 and sialyl Lewis X antigens (PubMed:14718375, PubMed:1740457, PubMed:17604274, PubMed:29593094, PubMed:7721776, PubMed:9737988, PubMed:9737989). Preferentially transfers fucose to the GlcNAc of an internal N-acetyllactosamine unit of a poly-N-acetyllactosamine chain acceptor substrate (PubMed:<a

href="http://www.uniprot.org/citations/17604274" target="_blank">17604274, PubMed:7721776). Also catalyzes to a lesser extend the transfer of L-fucose to the GlcNAc of a type 1 (beta-D-galactosyl-(1->3)-N-acetyl-beta-D-glucosaminyl) or H-type 1 (alpha-L-Fuc-(1->2)-beta-D-Gal-(1->3)-D-GlcNAc) chain oligosaccharide via an alpha (1,4) linkage (PubMed:14718375, PubMed:1740457, PubMed:17604274, PubMed:7721776, PubMed:9737988). Preferentially catalyzes sialylated type 2 oligosaccharide acceptors over neutral type 2 or H type 2 (alpha-L-Fuc-(1->2)-beta-D-Gal-(1->4)-D-GlcNAc) oligosaccharide acceptors (PubMed:1740457, PubMed:9737989). Lactose-based structures are also acceptor substrates (PubMed:1740457, PubMed:7721776).

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

Tissue Location
Liver, colon and testis and trace amounts in T- cells and brain

FUT5 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FUT5 Polyclonal Antibody - Images