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FUT9 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56175

Specification

FUT9 Polyclonal Antibody - Product Information

Application	**IHC-P, IHC-F, IF, ICC**
Primary Accession	Q9Y231
Reactivity	**Rat, Pig, Cow**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**42071**

FUT9 Polyclonal Antibody - Additional Information

Gene ID 10690

Other Names
4-galactosyl-N-acetylglucosaminide 3-alpha-L-fucosyltransferase 9, 2.4.1.152, Fucosyltransferase 9, Fucosyltransferase IX, Fuc-TIX, FucT-IX, Galactoside 3-L-fucosyltransferase, FUT9 {ECO:0000303|PubMed:10929005, ECO:0000312|HGNC:HGNC:4020}

Format
0.01M TBS(pH7.4) with 1% BSA, 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 ℃.

FUT9 Polyclonal Antibody - Protein Information

Name FUT9 {ECO:0000303|PubMed:10929005, ECO:0000312|HGNC:HGNC:4020}

Function
Catalyzes the transfer of L-fucose, from a guanosine diphosphate-beta-L-fucose, to the N-acetyl glucosamine (GlcNAc) of a

distal lactosamine unit of a glycoprotein or a glycolipid-linked polylactosamine chains through an alpha-1,3 glycosidic linkage and participates in particular to the Lewis x (Lex)/CD15 epitope biosynthesis in neurons which allows cell differentiation, cell adhesion, and initiation of neurite outgrowth (PubMed:23263199, PubMed:23192350, PubMed:10386598, PubMed:17335083, PubMed:23000574, PubMed:11278338, PubMed:10622713, PubMed:18395013, PubMed:12107078, PubMed:16282604). Also fucosylates di-, tri- and tetraantennary N-glycans linked to glycoproteins and the inner lactosamine unit of the alpha2,3-sialylated polylactosamine resulting in sLex (CD15s) epitope synthesis (PubMed:11278338, PubMed:12107078, PubMed:18395013). Furthermore, it is capable of synthesizing Lewis a (Lea), although to a lesser extent than Lex and Lewis y (Ley) and to confer SELE-dependent, but not SELL- and SELP-selectin-dependent, cell rolling and adhesion by enhancing Lex and sLex

synthesis (PubMed:18395013, PubMed:23192350).

Cellular Location
Golgi apparatus, trans-Golgi network membrane; Single-pass type II membrane protein {ECO:0000250|UniProtKB:Q6P4F1}. Golgi apparatus membrane {ECO:0000250|UniProtKB:O88819}

Tissue Location
Strongly expressed in forebrain and stomach, lower expression in spleen and peripheral blood leukocytes, and no expression in small intestine, colon, liver, lung, kidney, adrenal cortex or uterus (PubMed:10386598). Highly expressed in granulocytes. Not expressed in monocytes (PubMed:11278338).

FUT9 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