

FUT2 / SE Antibody (N-Terminus)
Goat Polyclonal Antibody
Catalog # ALS16129**Specification**

FUT2 / SE Antibody (N-Terminus) - Product Information

Application	WB
Primary Accession	Q10981
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	39kDa KDa

FUT2 / SE Antibody (N-Terminus) - Additional Information**Gene ID** 2524**Other Names**

Galactoside 2-alpha-L-fucosyltransferase 2, 2.4.1.69, Alpha(1, 2)FT 2, Fucosyltransferase 2, GDP-L-fucose:beta-D-galactoside 2-alpha-L-fucosyltransferase 2, SE2, Secretor blood group alpha-2-fucosyltransferase, Secretor factor, Se, FUT2, SEC2

Target/Specificity

Human FUT2 / SE. Reported variants represent identical protein: NP_001091107.1, NP_000502.4

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

FUT2 / SE Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

FUT2 / SE Antibody (N-Terminus) - Protein Information**Name** FUT2 ([HGNC:4013](#))**Synonyms** SEC2**Function**

Catalyzes the transfer of L-fucose, from a guanosine diphosphate-beta-L-fucose, to the terminal galactose on both O- and N- linked glycans chains of cell surface glycoproteins and glycolipids and the resulting epitope regulates several processes such as cell-cell interaction including host-microbe interaction, cell surface expression and cell proliferation (PubMed:7876235, PubMed:8018146, PubMed:12692541). Preferentially fucosylates gangliosides GA1 and GM1 in the antrum, cecum and colon and in the female reproductive organs (By similarity). Fucosylated host glycoproteins or glycolipids mediate

interaction with intestinal microbiota influencing its composition (PubMed:22068912, PubMed:21625510, PubMed:24733310). Creates a soluble precursor oligosaccharide FuC-alpha ((1,2)Galbeta-) called the H antigen which is an essential substrate for the final step in the soluble ABO blood group antigen synthesis pathway (PubMed:7876235).

Cellular Location

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

Tissue Location

Small intestine, colon and lung.

Volume

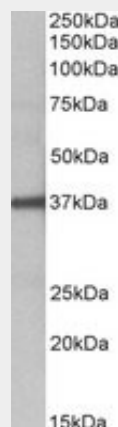
50 µl

FUT2 / SE Antibody (N-Terminus) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FUT2 / SE Antibody (N-Terminus) - Images



FUT2 antibody (1 ug/ml) staining of Human Liver lysate (35 ug protein in RIPA buffer).

FUT2 / SE Antibody (N-Terminus) - Background

Creates a soluble precursor oligosaccharide FuC-alpha ((1,2)Galbeta-) called the H antigen which is an essential substrate for the final step in the soluble A and B antigen synthesis pathway. H and Se enzymes fucosylate the same acceptor substrates but exhibit different Km values.

FUT2 / SE Antibody (N-Terminus) - References

Kelly R.J.,et al.J. Biol. Chem. 270:4640-4649(1995).
Kudo T.,et al.J. Biol. Chem. 271:9830-9837(1996).
Koda Y.,et al.Eur. J. Biochem. 246:750-755(1997).
Koda Y.,et al.Am. J. Hum. Genet. 59:343-350(1996).
Liu Y.,et al.Hum. Genet. 103:204-210(1998).