

FUT2 Antibody (internal region, near N-Term)
Peptide-affinity purified goat antibody
Catalog # AF3568a**Specification**

FUT2 Antibody (internal region, near N-Term) - Product Information

Application	WB
Primary Accession	O10981
Other Accession	NP_000502.4 , 2524
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	39017

FUT2 Antibody (internal region, near N-Term) - 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

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

FUT2 Antibody (internal region, near N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

FUT2 Antibody (internal region, near N-Term) - 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:<a

[7876235](http://www.uniprot.org/citations/7876235), PubMed: [8018146](http://www.uniprot.org/citations/8018146), PubMed: [12692541](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/22068912), PubMed: [21625510](http://www.uniprot.org/citations/21625510), PubMed: [24733310](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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

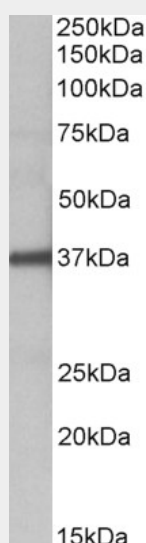
Small intestine, colon and lung.

FUT2 Antibody (internal region, near N-Term) - 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 Antibody (internal region, near N-Term) - Images



AF3568a (1 µg/ml) staining of Human Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

FUT2 Antibody (internal region, near N-Term) - Background

Reported variants represent identical protein: NP_001091107.1, NP_000502.4

FUT2 Antibody (internal region, near N-Term) - References

Fucosyltransferase 2 (FUT2) non-secretor status is associated with Crohn's disease. McGovern DP, Jones MR, Taylor KD, Marcianti K, Yan X, Dubinsky M, Ippoliti A, Vasilias E, Berel D, Derkowski C, Dutridge D, Fleshner P, Shih DQ, Melmed G, Mengesha E, King L, Pressman S, Haritunians T, Guo X, Targan SR, Rotter JI; International IBD Ge Hum Mol Genet. 2010 Sep 1;19(17):3468-76. PMID: 20570966