

FUT1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6573c**Specification**

FUT1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P19526](#)**FUT1 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 2523

Other Names

Galactoside 2-alpha-L-fucosyltransferase 1, Alpha(1, 2)FT 1, Blood group H alpha
2-fucosyltransferase, Fucosyltransferase 1, GDP-L-fucose:beta-D-galactoside
2-alpha-L-fucosyltransferase 1, FUT1, H, HSC

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6573c](/products/AP6573c) was selected from the Center region of human FUT1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

FUT1 Antibody (Center) Blocking Peptide - Protein InformationName FUT1 ([HGNC:4012](#))

Synonyms H, HSC

Function

Catalyzes the transfer of L-fucose, from a guanosine diphosphate-beta-L-fucose, to the terminal galactose residue of glycoconjugates through an alpha(1,2) linkage leading to H antigen synthesis that is an intermediate substrate in the synthesis of ABO blood group antigens (PubMed:[2118655](http://www.uniprot.org/citations/2118655)). H antigen is essential for maturation of the glomerular layer of the main olfactory bulb, in cell migration and early cell-cell contacts during tumor associated angiogenesis (PubMed:[18205178](http://www.uniprot.org/citations/18205178)). Preferentially fucosylates soluble lactose and to a lesser extent fucosylates glycolipids gangliosides GA1 and

GM1a (By similarity).

Cellular Location

Golgi apparatus, Golgi stack membrane {ECO:0000250|UniProtKB:O09160}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:O09160}. Note=Membrane-bound form in trans cisternae of Golgi. {ECO:0000250|UniProtKB:O09160}

FUT1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

FUT1 Antibody (Center) Blocking Peptide - Images**FUT1 Antibody (Center) Blocking Peptide - Background**

FUT1 is a Golgi stack membrane protein that is involved in the creation of a precursor of the H antigen, which is required for the final step in the soluble A and B antigen synthesis pathway.

FUT1 Antibody (Center) Blocking Peptide - References

Moehler,T.M., J. Cell. Physiol. 215 (1), 27-36 (2008)Moore,G.T., Mol. Immunol. 45 (8), 2401-2410 (2008)