

**FUT1 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP6573c****Specification**

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**FUT1 Antibody (Center) - Product Information**

Application	WB, FC,E
Primary Accession	<a href="#">P19526</a>
Other Accession	<a href="#">Q10979</a>
Reactivity	Human
Predicted	Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	41251
Antigen Region	164-195

**FUT1 Antibody (Center) - 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**

This FUT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 164-195 amino acids from the Central region of human FUT1.

**Dilution**

WB~~1:1000  
FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

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

**Precautions**

FUT1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**FUT1 Antibody (Center) - Protein Information**

**Name** 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](#)). 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](#)). Preferentially fucosylates soluble lactose and to a lesser extent fucosylates glycolipids gangliosides GA1 and GM1a (By similarity).

**Cellular Location**

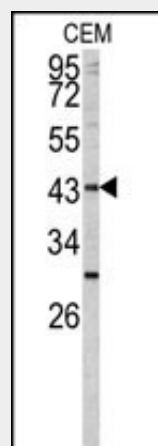
Golgi apparatus, Golgi stack membrane {ECO:0000250|UniProtKB:O09160}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:O09160}. Note=Membrane-bound form in trans cisternae of Golgi. {ECO:0000250|UniProtKB:O09160}

**FUT1 Antibody (Center) - Protocols**

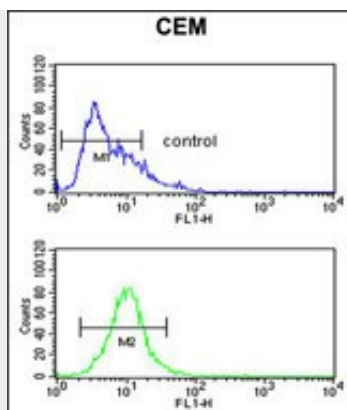
Provided below are standard protocols that you may find useful for product applications.

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

**FUT1 Antibody (Center) - Images**



Western blot analysis of FUT1 antibody (Center) (Cat. #AP6573c) in CEM cell line lysates (35ug/lane). FUT1 (arrow) was detected using the purified Pab.



FUT1 Antibody (Center) (Cat. #AP6573c) flow cytometric analysis of CEM cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **FUT1 Antibody (Center) - 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) - References**

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