



Rabbit Anti-FUT5 antibody

SL10182R

Product Name:	FUT5
Chinese Name:	FUT5抗体
Alias:	UT5_HUMAN; Alpha-(1,3)-fucosyltransferase; Fucosyltransferase 5; Fucosyltransferase V; Fuc-TV; FucT-V; Galactoside 3-L-fucosyltransferase.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	41kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FUT5:281-374/374
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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 °C.
PubMed:	PubMed
Product Detail:	The protein encoded by this gene belongs to the glycosyltransferase family. It is localized to the golgi, and catalyzes the last step in the biosynthesis of Lewis X (LeX) antigen, the addition of a fucose to precursor polysaccharides. This protein is one of the few fucosyltransferases that synthesizes the LeX oligosaccharide (CD15) expressed in the organ buds progressing in mesenchyma during embryogenesis. It is also responsible for the expression of CD15 in mature granulocytes. A common haplotype of this gene

has also been associated with susceptibility to placental malaria infection. [provided by RefSeq, Nov 2011]

Function:

May catalyze alpha-1,3 glycosidic linkages involved in the expression of VIM-2, Lewis X/SSEA-1 and sialyl Lewis X antigens.

Subcellular Location:

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

Tissue Specificity:

Liver, colon and testis and trace amounts in T-cells and brain.

Similarity:

Belongs to the glycosyltransferase 10 family.

SWISS:

Q11128

Gene ID:

2527

Database links:

[Entrez Gene: 10690](#)Human

[Entrez Gene: 2526](#)Human

[Entrez Gene: 2527](#)Human

[Entrez Gene: 2528](#)Human

[Entrez Gene: 2529](#)Human

[Omim: 136835](#)Human

[SwissProt: P22083](#)Human

[SwissProt: P51993](#)Human

[SwissProt: Q11128](#)Human

[SwissProt: Q11130](#)Human

[SwissProt: Q9Y231](#)Human

[Unigene: 390420](#)Human

[Unigene: 457](#)Human

[Unigene: 49117](#)Human

[Unigene: 572064](#)Human

[Unigene: 623098](#)Human

[Unigene: 631843](#)Human

[Unigene: 631846](#)Human

[Unigene: 705615](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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