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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.
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted: Human,)
Applications	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	41kDa
Cellular localization	cytoplasmic
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human FUT5: 281-374/374
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
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