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[Primary Antibody]

Rabbit Anti-FUT9 antibody

Catalog Number: SL16199R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	FUT9
Immunogen:	KLH conjugated synthetic peptide derived from human FUT9: 281-359/359
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
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.
Reactivity:	(predicted: Human, Mouse, Rat, Chicken, Pig, Cow, Horse, Rabbit, Sheep)
Predicted MW.:	42kDa
Subcellular Location:	cytoplasmic
Background:	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:** Transfers a fucose to lacto-N-neotetraose but not to either alpha2,3-sialyl lacto-N-neotetraose or lacto-N-tetraose. Can catalyze the last step in the

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	biosynthesis of Lewis antigen, the addition of a fucose to precursor polysaccharides. **Subcellular Location:** Golgi apparatus ?Golgi stack membrane; Single-pass type II membrane protein. **Note:** Membrane-bound form in trans cisternae of Golgi. **Tissue Specificity:** Strongly expressed in forebrain and stomach, lower expression in spleen and peripheral blood leukocytes, and no expression in small intestine, colon, liver, lung, kidney, adrenal cortex or uterus. **Similarity:** Belongs to the glycosyltransferase 10 family. **Database links:** **Entrez Gene:** 10690 Human **Entrez Gene:** 282853 Cow **Entrez Gene:** 449027 Dog **Entrez Gene:** 14348 Mouse **Entrez Gene:** 84597 Rat Omim: 606865 Human **SwissProt:** Q659L0 Chimpanzee **SwissProt:** Q8HZR2 Cow **SwissProt:** Q659L1 Dog **SwissProt:** Q9Y231 Human **SwissProt:** O88819 Mouse **SwissProt:** Q99JB3 Rat **Unigene:** 49117 Human **Unigene:** 39101 Mouse **Unigene:** 212206 Rat

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