

Rabbit Anti-FUT9/AF350 Conjugated antibody

SL16199R-AF350

Product Name	Anti-FUT9/AF350
Chinese Name	AF350 标记的 FUT9 蛋白抗体
Alias	FUT9_HUMAN; Alpha-(1,3)-fucosyltransferase 9; Fucosyltransferase 9; Fucosyltransferase IX; Fuc-TIX; FucT-IX; Galactoside 3-L-fucosyltransferase.
Research Area	Cell biology Signal transduction
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Rabbit,Sheep) ICC/IF=1:50-200,IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	42kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human FUT9
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
Storage	Store at -20 癆 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 癆. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 癆.
Product Detail	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 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

Important Note:

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