

产品名称: FUT2 Rabbit Polyclonal Antibody
产品货号: APRab11189



产品概述 (Summary)

产品名称 (Production Name)	FUT2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC, IF, ELISA
种属反应性 (Reactivity)	Human, Rat, Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	FUT2
别名 (Alternative Names)	FUT2; SEC2; Galactoside 2-alpha-L-fucosyltransferase 2; Alpha(1; 2)FT 2; Fucosyltransferase 2; GDP-L-fucose:beta-D-galactoside 2-alpha-L-fucosyltransferase 2; SE2; Secretor blood group alpha-2-fucosyltransferase; Secretor factor; Se
基因 ID (Gene ID)	2524.0
蛋白 ID (SwissProt ID)	Q10981.Synthesized peptide derived from the Internal region of human FUT2.

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	

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研究背景 (Background)

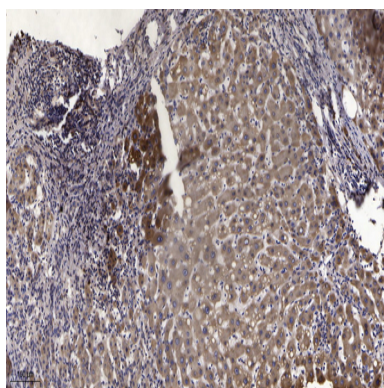
The protein encoded by this gene is a Golgi stack membrane protein that is involved in the creation of a precursor of the H antigen, which is required for the final step in the soluble A and B antigen synthesis pathway. This gene is one of two encoding the galactoside 2-L-fucosyltransferase enzyme. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008], catalytic activity: GDP-beta-L-fucose + beta-D-galactosyl-(1->3)-N-acetyl-beta-D-glucosaminyl-(1->3)-beta-D-galactosyl-(1->4)-beta-D-glucosyl-(1-<->1)-ceramide = GDP + alpha-L-fucosyl-(1->2)-beta-D-galactosyl-(1->3)-N-acetyl-beta-D-glucosaminyl-(1->3)-beta-D-galactosyl-(1->4)-beta-D-glucosyl-(1-<->1)-ceramide., disease: Genetic variation in FUT2 is associated with vitamin B12 plasma level quantitative trait locus type 1 (B12QTL1) [MIM:612542]. The plasma level of vitamin B12 is a modifiable quantitative trait associated with many diseases. Vitamin B12 found in meat and milk products is composed of corrin and cobalt rings and is necessary for the formation of red blood cells, DNA synthesis during cell division, and maintenance of the myelin nerve sheath, among other functions. Deficiency in vitamin B12, clinically associated with pernicious anemia, cardiovascular disease, cancer, and neurodegenerative disorders, is often related to poor intestinal B12 absorption rather than direct dietary deficiency., function: Creates a soluble precursor oligosaccharide FuC-alpha ((1,2)Galbeta-) called the H antigen which is an essential substrate for the final step in the soluble A and B antigen synthesis pathway. H and Se enzymes fucosylate the same acceptor substrates but exhibit different Km values., miscellaneous: There are two genes (FUT1 and FUT2) which encode galactoside 2-L-fucosyltransferase. They are expressed in a tissue-specific manner with expression restricted to cells of mesodermal or endodermal origin respectively., online information: Blood group antigen gene mutation database, online information: Fucosyltransferase 2, online information: GlycoGene database, pathway: Protein modification; protein glycosylation., polymorphism: Three alleles have been identified in Japanese: Se1, Se2, and Sej., similarity: Belongs to the glycosyltransferase 11 family., subcellular location: Membrane-bound form in trans cisternae of Golgi., tissue specificity: Small intestine, colon and lung.,

研究领域 (Research Area)

Glycosphingolipid biosynthesis; Glycosphingolipid biosynthesis;

图片 (Image Data)

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Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200 (4° overnight) .
2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 45min) .

注意事项 (Note)

For research use only .