Best Tools for immunology Research

FUT1 rabbit pAb

Catalog No :	YT6360
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	FUT1
Fields :	>>Glycosphingolipid biosynthesis - lacto and neolacto series;>>Glycosphingolipid biosynthesis - globo and isoglobo series;>>Metabolic pathways
Gene Name :	FUT1 H HSC
Protein Name :	FUT1
Human Gene Id :	2523
Human Swiss Prot No :	P19526
Mouse Swiss Prot No :	O09160
Rat Gene Id :	81919
Rat Swiss Prot No :	Q10980
Immunogen :	Synthesized peptide derived from human FUT1 AA range: 150-200
Specificity :	This antibody detects endogenous levels of FUT1 at Human/Mouse/Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1□500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

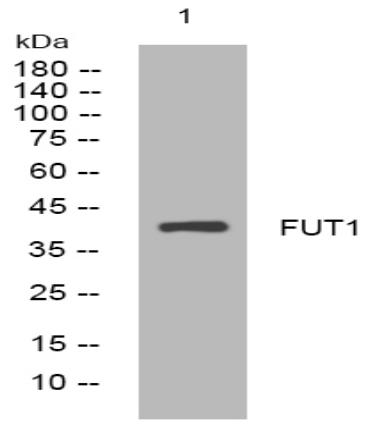
Molecularweight : 40kD

Background : This gene encodes 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 synthesis of soluble A and B antigens. This is one of two genes encoding the galactoside 2-L-fucosyltransferase enzyme. Mutations in this gene are a cause of the H-Bombay blood group. [provided by RefSeq, Aug 2016],

Function : 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-(11)-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-(11)-ceramide.,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

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

Products Images



Western blot analysis of lysates from HCT116 cells, primary antibody was diluted at 1:1000, 4°over night