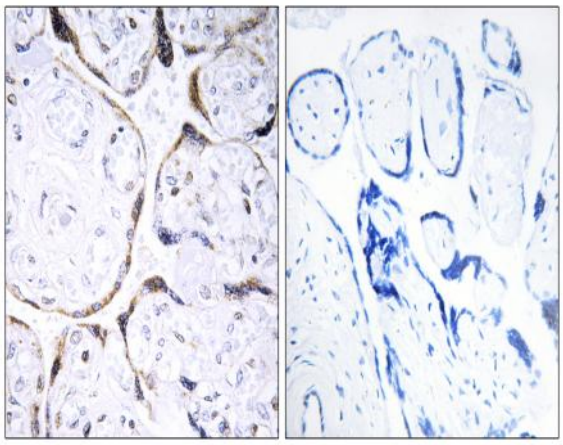
Best Tools for immunology Research

O-FucT-2 Polyclonal Antibody

Catalog No :	YT3238
Reactivity :	Human;Mouse
Applications :	IHC;IF;ELISA
Target :	O-FucT-2
Fields :	>>Other types of O-glycan biosynthesis
Gene Name :	POFUT2
Protein Name :	GDP-fucose protein O-fucosyltransferase 2
Human Gene Id :	23275
Human Swiss Prot No :	Q9Y2G5
Mouse Gene Id :	80294
Mouse Swiss Prot No :	Q8VHI3
Immunogen :	The antiserum was produced against synthesized peptide derived from human POFUT2. AA range:361-410
Specificity :	O-FucT-2 Polyclonal Antibody detects endogenous levels of O-FucT-2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
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 :	50kD
Background :	Fucose is typically found as a terminal modification of branched chain glycoconjugates, but it also exists in direct O-linkage to serine or threonine residues within cystine knot motifs in epidermal growth factor (EGF; MIM 131530)-like repeats or thrombospondin (THBS; see MIM 188060) type-1 repeats. POFUT2 is an O-fucosyltransferase that use THBS type-1 repeats as substrates (Luo et al., 2006 [PubMed 16464857]).[supplied by OMIM, Mar 2008],
Function :	catalytic activity:Transfers an alpha-L-fucosyl residue from GDP-beta-L-fucose to the serine hydroxy group of a protein acceptor.,function:Catalyzes the reaction that attaches fucose through an O-glycosidic linkage to a conserved serine or threonine residue in thrombospondin type 1 repeats.,online information:GlycoGene database,online information:Peptide-O-fucosyltransferase 2,pathway:Protein modification; protein glycosylation.,similarity:Belongs to the glycosyltransferase 68 family.,tissue specificity:Isoform A is expressed in fetal liver and peripheral blood lymphocytes. Isoform B is expressed in spleen, lung, testis, bone marrow, thymus, pancreas, prostate, fetal brain, fetal liver and fetal kidney. Isoform C is expressed in brain, heart, spleen, liver, lung, stomach, testis, placenta, skin, thymus, pancreas, mammary gland, prostate, fetal brain, fetal liver and fetal heart.,
Subcellular Location :	Endoplasmic reticulum . Golgi apparatus . Mainly located in the endoplasmic reticulum. .
Expression :	Isoform A is expressed in fetal liver and peripheral blood lymphocytes. Isoform B is expressed in spleen, lung, testis, bone marrow, thymus, pancreas, prostate, fetal brain, fetal liver and fetal kidney. Isoform C is expressed in brain, heart, spleen, liver, lung, stomach, testis, placenta, skin, thymus, pancreas, mammary gland, prostate, fetal brain, fetal liver and fetal heart.
Sort :	11066
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Immunohistochemistry analysis of paraffin-embedded human placenta tissue, using POFUT2 Antibody. The picture on the right is blocked with the synthesized peptide.