

Product Name: O-FucT-2 Rabbit Polyclonal Antibody**Catalog #: APRab15117**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	IHC, ICC/IF, ELISA
Reactivity	Human, Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:10000-1:20000

Molecular Weight

Antigen Information

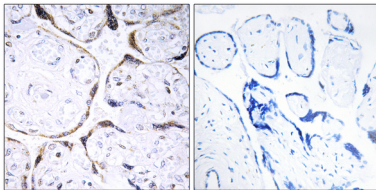
Gene Name	POFUT2
Alternative Names	POFUT2; C21orf80; FUT13; KIAA0958; GDP-fucose protein O-fucosyltransferase 2; Peptide-O-fucosyltransferase 2; O-FucT-2
Gene ID	23275.0
SwissProt ID	Q9Y2G5
Immunogen	The antiserum was produced against synthesized peptide derived from human POFUT2. AA range:361-410

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],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.,

Research Area

Image Data



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