



# Anti-POFUT2 (aa 361-410) polyclonal antibody (CPBT-43677RH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Polyclonal antibody to Human POFUT2.
<b>Antigen Description</b>	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)
<b>Specificity</b>	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.
<b>Immunogen</b>	Synthetic peptide: LYKDGGVAII DQWICAHARC LPTSLSAESG SGGFQRFFCP KYSVSEQMVA, corresponding to a region within C terminal amino acids 361-410 of Human POFUT2
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-P
<b>Sequence Similarities</b>	Belongs to the glycosyltransferase 68 family.

<b>Cellular Localization</b>	Endoplasmic reticulum.
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	Preservative: None Constituents: 2% Sucrose, PBS
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">POFUT2 protein O-fucosyltransferase 2 [ Homo sapiens ]</a>
<b>Official Symbol</b>	POFUT2
<b>Synonyms</b>	POFUT2; protein O-fucosyltransferase 2; C21orf80, chromosome 21 open reading frame 80; GDP-fucose protein O-fucosyltransferase 2; FUT13; KIAA0958; C21orf80; EC 2.4.1.221; FUT 13; FUT13; GDP fucose protein O fucosyltransferase 2; GDP-fucose protein O-fucosyltransferase 2; KIAA0958; O-FucT-2; OFucT2; OFUT2_HUMAN; Peptide O fucosyltransferase 2; Peptide-O-fucosyltransferase 2; POFUT 2; POFUT2; Protein O fucosyltransferase 2; O-FucT-2; peptide-O-fucosyltransferase 2; C21orf80;
<b>Entrez Gene ID</b>	<a href="#">23275</a>
<b>Protein Refseq</b>	<a href="#">NP_056042</a>
<b>UniProt ID</b>	<a href="#">Q9Y2G5</a>
<b>Chromosome Location</b>	21q22.3
<b>Pathway</b>	Other types of O-glycan biosynthesis, organism-specific biosystem; Other types of O-glycan biosynthesis, conserved biosystem;
<b>Function</b>	peptide-O-fucosyltransferase activity; transferase activity, transferring glycosyl groups;