



# Rabbit Anti-Human POFUT1 Polyclonal Antibody (CABT-L2186)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Protein O-Fucosyltransferase 1 (Knockout Validated)
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against POFUT1. It has been selected for its ability to recognize POFUT1 in immunohistochemical staining and western blotting.
<b>Target</b>	POFUT1
<b>Immunogen</b>	Recombinant fragment corresponding to human POFUT1 (His238~Phe388)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

<b>Introduction</b>	This gene encodes a member of the glycosyltransferase O-Fuc family. This enzyme adds O-fucose through an O-glycosidic linkage to conserved serine or threonine residues in the epidermal growth factor-like repeats of a number of cell surface and secreted proteins. O-fucose glycans are involved in ligand-induced receptor signaling. Alternative splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
<b>Keywords</b>	O-FUT;O-Fuc-T;FUT12;GDP-Fucose Protein O-Fucosyltransferase 1;Peptide-O-fucosyltransferase 1

## GENE INFORMATION

<b>Gene Name</b>	POFUT1 protein O-fucosyltransferase 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	POFUT1
<b>Synonyms</b>	POFUT1; protein O-fucosyltransferase 1; DDD2; FUT12; O-FUT; OFUCT1; O-Fuc-T; O-FucT-1; GDP-fucose protein O-fucosyltransferase 1; o-fucosyltransferase protein; peptide-O-fucosyltransferase 1;
<b>Entrez Gene ID</b>	<a href="#">23509</a>
<b>Protein Refseq</b>	NP_056167
<b>UniProt ID</b>	<a href="#">Q9H488</a>
<b>Chromosome Location</b>	20q11
<b>Pathway</b>	Delta-Notch Signaling Pathway; Other types of O-glycan biosynthesis; Pre-NOTCH Expression and Processing; Pre-NOTCH Processing in the Endoplasmic Reticulum; Signal Transduction; Signaling by NOTCH;
<b>Function</b>	fucosyltransferase activity; peptide-O-fucosyltransferase activity;