

Rabbit anti-Human, Mouse POFUT1 Polyclonal Antibody | anti-POFUT1 antibody

POFUT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39755	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

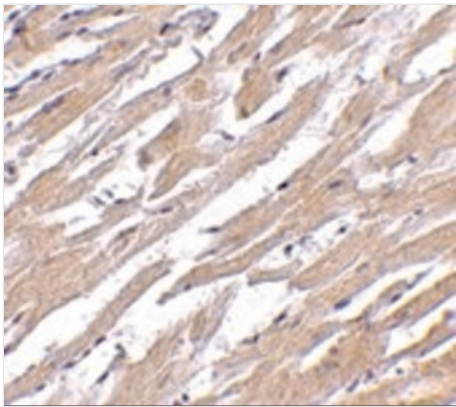
PRODUCT SYNONYMS

POFUT1; Polyclonal Antibody; POFUT1 Antibody; DDD2; FUT12; O-FUT; OFUCT1; O-Fuc-T; O-FucT-1; KIAA0180; GDP-fucose protein O-fucosyltransferase 1; Peptide-O-fucosyltransferase 1; protein O-fucosyltransferase 1; anti-POFUT1 antibody

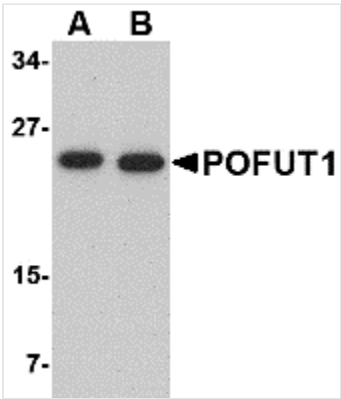
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	At least two isoforms of POFUT1 are known to exist. This antibody is predicted to not cross-react with POFUT2.
Purity/Purification	POFUT1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	388
Applicable Applications for anti-POFUT1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	POFUT1 antibody was raised against a 16 amino acid synthetic peptide from near the amino terminus of human POFUT1.
Buffer	POFUT1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	POFUT1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of POFUT1 in human heart tissue with POFUT antibody at 2.5 μg/mL.



WB (Western Blot)
Western blot analysis of POFUT1 in human heart tissue lysate with POFUT1 antibody at (A) 0.5 and (B) 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-POFUT1 antibody	POFUT1 Antibody: POFUT1, an endoplasmic reticulum-residing member of the glycosyltransferase O-Fuc family, adds O-fucose through an O-glycosidic linkage to conserved serine or threonines in epidermal growth factor-like repeats of several cell surface and secreted proteins. Unlike its homolog POFUT2, POFUT1 can also catalyze the transfer of fucose to thrombospondin type 1 repeats. Many of the substrates of POFUT1 are involved in ligand-induced receptor signaling. One such protein is Notch; mouse ES cells lacking POFUT have normal levels of Notch receptors at the cell surface, but these receptors do not bind Notch ligands or exhibit Notch signaling.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27436889
NCBI GeneID	23509
NCBI Accession #	NP_056167
NCBI GenBank Nucleotide #	NM_015352.1
UniProt Accession #	Q9H488; Q14685; Q5W185; Q9BW76; A8K4R8; E1P5M4
Molecular Weight	22,338 Da
NCBI Official Full Name	GDP-fucose protein O-fucosyltransferase 1 isoform 1
NCBI Official Synonym Full Names	protein O-fucosyltransferase 1
NCBI Official Symbol	POFUT1
NCBI Official Synonym Symbols	DDD2; FUT12; O-FUT; OFUCT1; O-Fuc-T; O-FucT-1
NCBI Protein Information	GDP-fucose protein O-fucosyltransferase 1; o-fucosyltransferase protein; peptide-O-fucosyltransferase 1
UniProt Protein Name	GDP-fucose protein O-fucosyltransferase 1
UniProt Gene Name	POFUT1
UniProt Synonym Gene Names	FUT12; KIAA0180; O-FucT-1
UniProt Entry Name	OFUT1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.