

POFUT1 Antibody

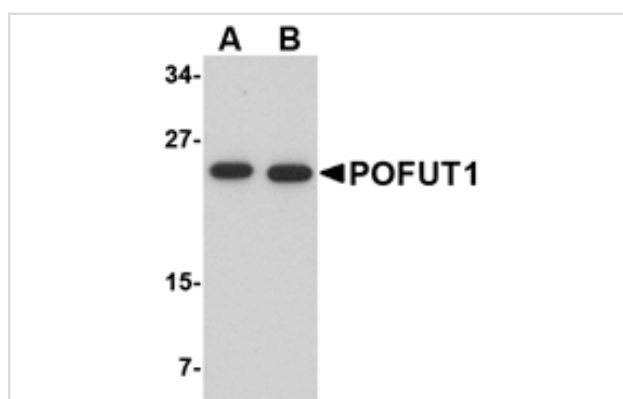
Catalog No: #24741

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

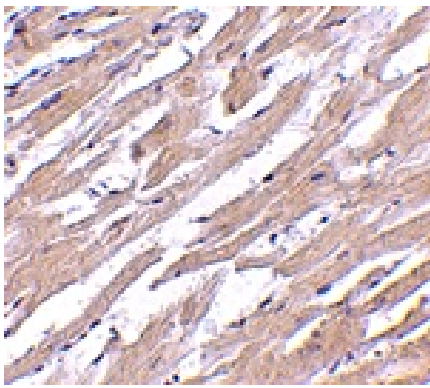
Description

Product Name	POFUT1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Specificity	At least two isoforms of POFUT1 are known to exist. This antibody is predicted to not cross-react with POFUT2.
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the amino terminus of human POFUT1.
Target Name	POFUT1
Other Names	GDP-fucose protein O-fucosyltransferase 1, FUT12, O-FUT
Accession No.	Swiss-Prot:Q9H488Gene ID:23509
Uniprot	Q9H488
GeneID	23509;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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



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



Immunohistochemistry of POFUT1 in human heart tissue with POFUT antibody at 2.5 ug/mL.

Background

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.

Note: This product is for in vitro research use only