

Datasheet for ABIN6990964
anti-POFUT1 antibody (N-Term)



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Overview

Quantity:	0.1 mg
Target:	POFUT1
Binding Specificity:	AA 90-140, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POFUT1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	POFUT1 antibody was raised against a 16 amino acid synthetic peptide from near the amino terminus of human POFUT1. The immunogen is located within amino acids 90 - 140 of POFUT1.
Isotype:	IgG
Specificity:	At least two isoforms of POFUT1 are known to exist. This antibody is predicted to not cross-react with POFUT2.
Purification:	POFUT1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	POFUT1
Alternative Name:	POFUT1 (POFUT1 Products)

Target Details

Background:	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.
Gene ID:	23509
NCBI Accession:	NP_056167
UniProt:	Q9H488
Pathways:	Notch Signaling , SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	POFUT1 antibody can be used for the detection of POFUT1 by Western blot at 0.5 - 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL.
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Antibody validated: Western Blot in human samples and Immunohistochemistry in human samples. All other applications and species not yet tested.

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	POFUT1 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	POFUT1 antibody can be stored at 4°C for three months and -20°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.