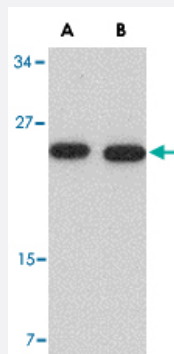


POFUT1 polyclonal antibody

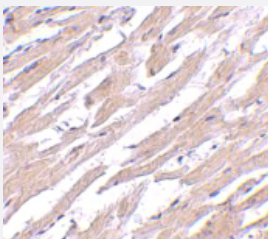
Catalog # PAB13063 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of POFUT1 in human heart tissue lysate with POFUT1 polyclonal antibody (Cat # PAB13063) at (A) 0.5 and (B) 1 ug/mL .



Immunohistochemistry

Immunohistochemical staining of human heart tissue with 2.5 ug/mL POFUT1 polyclonal antibody (Cat # PAB13063).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of POFUT1.
Immunogen	A synthetic peptide corresponding to N-terminus 16 amino acids of human POFUT1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of POFUT1 in human heart tissue lysate with POFUT1 polyclonal antibody (Cat # PAB13063) at (A) 0.5 and (B) 1 ug/mL .

- Immunohistochemistry

Immunohistochemical staining of human heart tissue with 2.5 ug/mL POFUT1 polyclonal antibody (Cat # PAB13063).

Gene Info — POFUT1

Entrez GeneID	23509
Protein Accession#	NP_056167
Gene Name	POFUT1
Gene Alias	FUT12, KIAA0180, MGC2482, O-FUT, O-Fuc-T, O-FucT-1
Gene Description	protein O-fucosyltransferase 1
Omim ID	607491
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	GDP-fucose protein O-fucosyltransferase 1 OTTHUMP00000030583 OTTHUMP00000030584 O-fucosyltransferase protein

Publication Reference

- [Roles of Pofut1 and O-fucose in mammalian Notch signaling.](#)

Stahl M, Uemura K, Ge C, Shi S, Tashima Y, Stanley P.

The Journal of Biological Chemistry 2008 May; 283(20):13638.

Application: WB, Mouse, Lec13 cells

- [Molecular evolution of protein O-fucosyltransferase genes and splice variants.](#)

Loriol C, Dupuy F, Rampal R, Dlugosz MA, Haltiwanger RS, Maftah A, Germot A.

Glycobiology 2006 Aug; 16(8):736.

Application: WB-Tr, Monkey, COS-1 cells

- [Modification of epidermal growth factor-like repeats with O-fucose. Molecular cloning and expression of a novel GDP-fucose protein O-fucosyltransferase.](#)

Wang Y, Shao L, Shi S, Harris RJ, Spellman MW, Stanley P, Haltiwanger RS.

The Journal of Biological Chemistry 2001 Oct; 276(43):40338.

Disease

- [Tobacco Use Disorder](#)