

POFUT1 antibody

Product Information

Catalog No.:	FNab06602
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

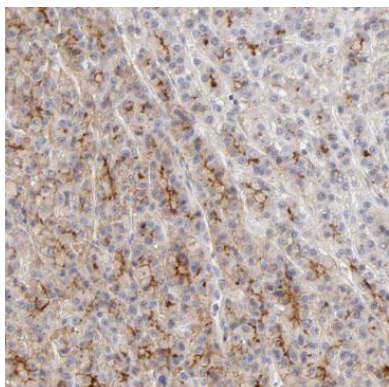
Catalyzes the reaction that attaches fucose through an O-glycosidic linkage to a conserved serine or threonine residue found in the consensus sequence C2-X(4,5)-[S/T]-C3 of EGF domains, where C2 and C3 are the second and third conserved cysteines. Specifically uses GDP-fucose as donor substrate and proper disulfide pairing of the substrate EGF domains is required for fucose transfer. Plays a crucial role in NOTCH signaling. Initial fucosylation of NOTCH by POFUT1 generates a substrate for FRINGE/RFNG, an acetylglucosaminyltransferase that can then extend the fucosylation on the NOTCH EGF repeats. This extended fucosylation is required for optimal ligand binding and canonical NOTCH signaling induced by DLL1 or JAGGED1. Fucosylates AGRN and determines its ability to cluster acetylcholine receptors(AChRs).

Immunogen information

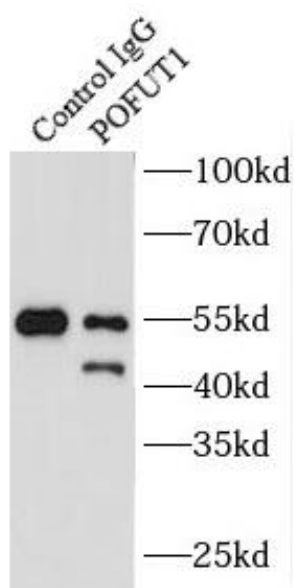
Immunogen:	protein O-fucosyltransferase 1
Synonyms:	GDP-fucose protein O-fucosyltransferase 1 Peptide-O-fucosyltransferase 1 (O-FucT-1) POFUT1 FUT12 KIAA0180
Observed MW:	44 kDa
Uniprot ID :	Q9H488

Application

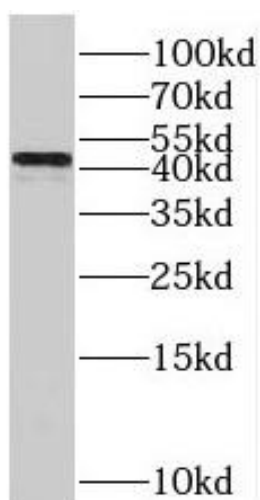
Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IHC, IF, IP
Recommended dilution:	WB: 1:500-1:2000; IP: 1:200-1:1000; IHC: 1:20-1:200; IF: 1:20-1:200
Image:	



Immunohistochemistry of paraffin-embedded human liver cancer using FNab06602(POFUT1 antibody) at dilution of 1:50



IP Result of anti-POFUT1 (IP:FNab06602, 4ug; Detection:FNab06602 1:500) with HepG2 cells lysate 2400ug.



HepG2 cells were subjected to SDS PAGE followed by western blot with FNab06602(POFUT1 antibody) at dilution of 1:500