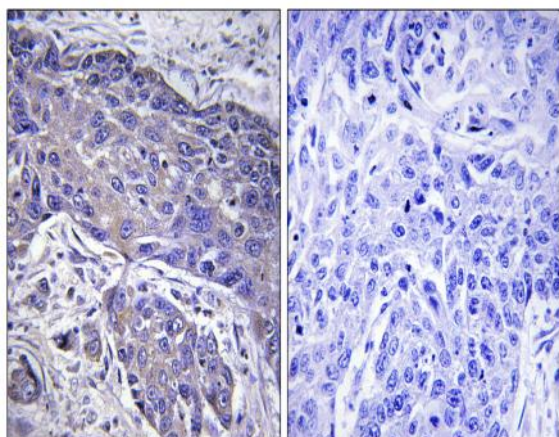


O-FucT-1 Polyclonal Antibody

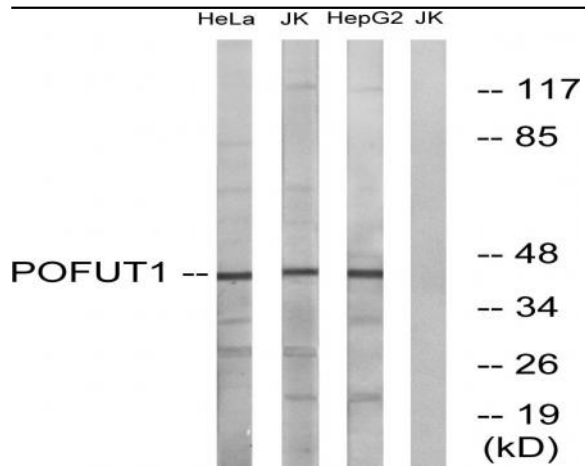
Catalog No :	YT3237
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	O-FucT-1
Fields :	>>Other types of O-glycan biosynthesis
Gene Name :	POFUT1
Protein Name :	GDP-fucose protein O-fucosyltransferase 1
Human Gene Id :	23509
Human Swiss Prot No :	Q9H488
Mouse Gene Id :	140484
Mouse Swiss Prot No :	Q91ZW2
Rat Gene Id :	311551
Rat Swiss Prot No :	Q6EV70
Immunogen :	The antiserum was produced against synthesized peptide derived from human POFUT1. AA range:331-380
Specificity :	O-FucT-1 Polyclonal Antibody detects endogenous levels of O-FucT-1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	44kD
Background :	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, Jul 2008],
Function :	catalytic activity:Transfers an alpha-L-fucosyl residue from GDP-beta-L-fucose to the serine hydroxy group of a protein acceptor.,cofactor:Manganese.,function:Catalyzes the reaction that attaches fucose through an O-glycosidic linkage to a conserved serine or threonine residue in EGF domains. Plays a crucial role in Notch signaling.,online information:GlycoGene database,online information:Peptide-O-fucosyltransferase 1,pathway:Protein modification; protein glycosylation.,similarity:Belongs to the glycosyltransferase 68 family.,tissue specificity:Highly expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.,
Subcellular Location :	Endoplasmic reticulum .
Expression :	Highly expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.

Products Images



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using POFUT1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat, HeLa, and HepG2 cells, using POFUT1 Antibody. The lane on the right is blocked with the synthesized peptide.