Product Name: O-FucT-1 Rabbit Polyclonal Antibody
Catalog #: APRab15116

Summary

Production Name	O-FucT-1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	POFUT1
Alternative Names	POFUT1; FUT12; KIAA0180; GDP-fucose protein O-fucosyltransferase 1; Peptide-O-fucosyltransferase 1; O-FucT-1
Gene ID	23509.0
SwissProt ID	Q9H488.The antiserum was produced against synthesized peptide derived from human POFUT1. AA range:331-380

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000..
Molecular Weight	44kD

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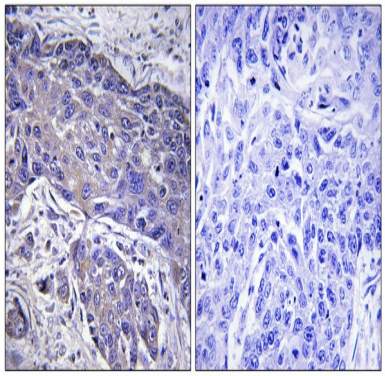
Background

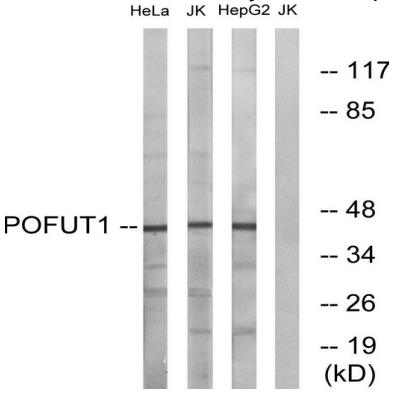
This gene encodes a member of the glycosyltransferase O-Fuc family. This enzyme adds O-fucose through an O-glycosidic linkage to conserved serine or threonine residues in the epidermal growth factor-like repeats of a number of cell surface and secreted proteins. O-fucose glycans are involved in ligand-induced receptor signaling. Alternative splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008],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.,

Research Area

Image Data



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.

Note

For research use only.