



O-FucT-1 Monoclonal Antibody

Catalog No	YP-mAb-04047
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	POFUT1
Immunogen	The antiserum was produced against synthesized peptide derived from human POFUT1. AA range:331-380
Specificity	O-FucT-1 Monoclonal 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	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FUT12;GDP-fucose protein O-fucosyltransferase 1;KIAA0180;O Fuc T;O-FucT-1;POFUT1;Peptide-O-fucosyltransferase 1
Observed Band	44kD
Calculated Molecular Weight	44kD
Cell Pathway	Endoplasmic reticulum .
Tissue Specificity	Highly expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
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.,



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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

