ARG45674
anti-POGLUT1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes POGLUT1
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	POGLUT1
Species	Human
Immunogen	Synthetic peptide corresponding to C-terminal region of human POGLUT1.
Conjugation	Un-conjugated
Alternate Names	POGLUT1; Protein O-Glucosyltransferase 1; HCLP46; MDSRP; 9630046K23Rik; KDELCL1; MDS010; C3orf9; KTELC1; Rumi; Myelodysplastic Syndromes Relative Protein; Protein O-Xylosyltransferase POGLUT1; KTEL (Lys-Tyr-Glu-Leu) Containing 1; O-Glucosyltransferase Rumi Homolog; KTEL Motif-Containing Protein 1; CAP10-Like 46 KDa Protein; KDELC Family Like 1; MGC32995; CLP46; HRumi; Chromosome 3 Open Reading Frame 9; X 010 Protein; EC 2.4.1.376; EC 2.4.2.63; LGMDR21; LGMD2Z

Application Instructions

Application table

Application	Dilution
ICC/IF	5 µg/ml
IHC-P	2-5 µg/ml
WB	0.25-0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

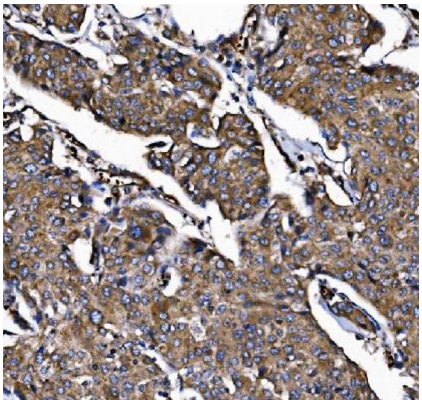
Form	Liquid
Purification	Affinity purified
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

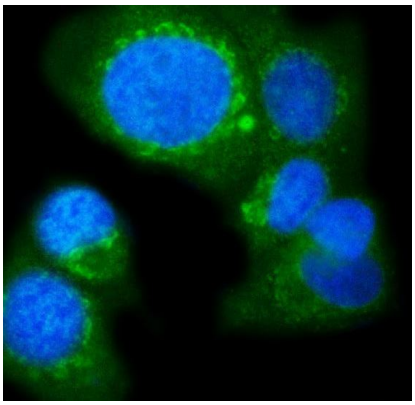
Gene Symbol	POGLUT1
Gene Full Name	Protein O-Glucosyltransferase 1
Background	This gene encodes a protein with both O-glucosyltransferase and O-xylosyltransferase activity which localizes to the lumen of the endoplasmic reticulum. This protein has a carboxy-terminal KTEL motif which is predicted to function as an endoplasmic reticulum retention signal. This gene is an essential regulator of Notch signalling and likely plays a role in cell fate and tissue formation during development. It may also play a role in the pathogenesis of leukemia. Mutations in this gene have been associated with the autosomal dominant genodermatosis Dowling-Degos disease 4. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]
Function	Dual specificity glycosyltransferase that catalyzes the transfer of glucose and xylose from UDP-glucose and UDP-xylose, respectively, to a serine residue found in the consensus sequence of C-X-S-X-P-C. [UniProt]
Calculated Mw	46 kDa
PTM	Disulfide bond; Glycoprotein. [UniProt]
Cellular Localization	Endoplasmic reticulum. [UniProt]

Images



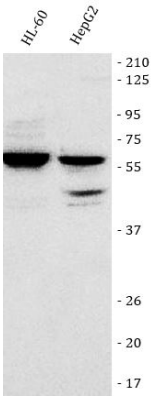
ARG45674 anti-POGLUT1 antibody IHC-P image

Immunohistochemistry: Human breast cancer stained with ARG45674 anti-POGLUT1 antibody at 2 µg/ml dilution.



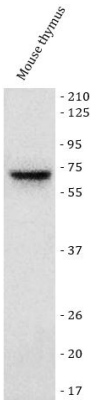
ARG45674 anti-POGLUT1 antibody ICC/IF image

Immunofluorescence: T-47D stained with ARG45674 anti-POGLUT1 antibody at 5 µg/ml dilution.



ARG45674 anti-POGLUT1 antibody WB image

Western blot: HL-60 and HepG2 stained with ARG45674 anti-POGLUT1 antibody at 0.5 µg/ml dilution.



ARG45674 anti-POGLUT1 antibody WB image

Western blot: Mouse thymus stained with ARG45674 anti-POGLUT1 antibody at 0.5 µg/ml dilution.