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Datasheet for ABIN7165880  
**anti-POGLUT1 antibody (AA 132-392) (Biotin)**

### Overview

Quantity:	100 µL
Target:	POGLUT1
Binding Specificity:	AA 132-392
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POGLUT1 antibody is conjugated to Biotin
Application:	ELISA

### Product Details

Immunogen:	Recombinant Human Protein O-glycosyltransferase 1 protein (132-392AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	POGLUT1
Alternative Name:	POGLUT1 ( <a href="#">POGLUT1 Products</a> )
Background:	Background: 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

## Target Details

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consensus sequence of C-X-S-X-P-C (PubMed:21081508, PubMed:21490058, PubMed:21949356, PubMed:27807076). Specifically targets extracellular EGF repeats of protein such as CRB2, F7, F9 and NOTCH2 (PubMed:21081508, PubMed:21490058, PubMed:21949356, PubMed:27807076). Acts as a positive regulator of Notch signaling by mediating O-glycosylation of Notch, leading to regulate muscle development (PubMed:27807076). Notch glucosylation does not affect Notch ligand binding (PubMed:21490058). Required during early development to promote gastrulation: acts by mediating O-glycosylation of CRB2, which is required for CRB2 localization to the cell membrane (By similarity).

Aliases: C3orf9 antibody, CAP10 like 46 kDa protein antibody, CAP10 like protein, 46 kDa antibody, CAP10-like 46 kDa protein antibody, CLP46 antibody, hCLP46 antibody, hRumi antibody, KDELC family like 1 antibody, KDELC1 antibody, KTEL (Lys Tyr Glu Leu) containing 1 antibody, KTEL motif containing protein 1 antibody, KTEL motif-containing protein 1 antibody, KTEL1 antibody, KTELC1 antibody, MDS010 antibody, MDSRP antibody, Myelodysplastic syndromes relative protein antibody, O-glycosyltransferase rumi homolog antibody, PGLT1\_HUMAN antibody, Poglut1 antibody, protein O glucosyltransferase 1 antibody, Protein O-glycosyltransferase 1 antibody, Protein O-xylosyltransferase antibody, Rumi antibody, x 010 protein antibody

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UniProt: [Q8NBL1](#)

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Pathways: [Notch Signaling](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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## Handling

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Storage: -20 °C,-80 °C

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.