

Datasheet for ABIN6991580
anti-DPAGT1 antibody (N-Term)



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Overview

Quantity:	0.1 mg
Target:	DPAGT1
Binding Specificity:	AA 30-80, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DPAGT1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	DPAGT1 antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of human DPAGT1. The immunogen is located within amino acids 30 - 80 of DPAGT1.
Isotype:	IgG
Specificity:	At least four isoforms of DPAGT1 are known to exist, this antibody will recognize the two longest isoforms. DPAGT1 antibody is predicted to not cross-react with UHRF1BP1.
Purification:	DPAGT1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	DPAGT1
Alternative Name:	DPAGT1 (DPAGT1 Products)

Target Details

Background: DPAGT1 Antibody: The UDP-N-acetylglucosamine-dolichyl-phosphate N-acetylglucosaminophosphotransferase (DPAGT1) is an enzyme that catalyzes the first step in the dolichol-linked oligosaccharide pathway for glycoprotein biosynthesis. Mutations in this integral endoplasmic reticulum (ER) membrane protein enzyme belongs to the glycosyltransferase family 4 results in the congenital disorder of glycosylation type Ij with symptoms such as severe hypotonia, medically intractable seizures, mental retardation, microcephaly, and exotropia. Recent experiments have shown that DPAGT1 is a target of the Wnt/beta-catenin signaling pathway, with Wnt3a inducing higher DPAGT1 mRNA expression.

Gene ID: 1798

NCBI Accession: [NP_001373](#)

UniProt: [Q9H3H5](#)

Application Details

Application Notes: DPAGT1 antibody can be used for detection of DPAGT1 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in mouse samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: DPAGT1 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

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

Storage: -20 °C, 4 °C

Storage Comment: DPAGT1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should

not be exposed to prolonged high temperatures.