

Anti-DPAGT1 (RABBIT) Antibody - 600-401-AX0

Code: 600-401-AX0

Size: 100 µg

Product Description: Anti-DPAGT1 (RABBIT) Antibody - 600-401-AX0

Concentration: 1.0 mg/ml by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Rabbit
Gene Name	DPAGT1
Species Reactivity	Human, mouse
Buffer	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.02% (w/v) Sodium Azide
Storage Condition	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	DPAGT1 Antibody, GPT, ALG7, DGPT, G1PT, UAGT, UGAT, CDG1J, DPAGT, CDG-Ij, CMSTA2, DPAGT2, D11S366, UDP-N-acetylglucosamine--dolichyl-phosphate N-acetylglucosaminophosphotransferase, GlcNAc-1-P transferase
Application Note	Anti-DPAGT1 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 46 kDa in Western Blots of specific cell lysates and tissues.
Background	The UDP-N-acetylglucosamine-dolichyl-phosphate N-acetyl-glucosaminophosphotransferase (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.
Purity And Specificity	Anti-DPAGT1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. 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.
ELISA	1:10,000
Western Blot	1 g/mL
Immunohistochemistry	2.5 g/mL
IF Microscopy	20 g/mL
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Anti-DPAGT1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the N-terminus of human DPAGT1.

Related Products

200-301-401	Anti-AKT (MOUSE) Monoclonal Antibody - 200-301-401
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
BSA-50	BOVINE SERUM ALBUMIN - Fraction V (Immunoglobulin and Protease Free) - BSA-50
MB-070	Blocking Buffer for Fluorescent Western Blotting - MB-070

Related Links

UniProtKB - Q9H3H5

<http://www.uniprot.org/uniprot/Q9H3H5>

GeneID - 1798 <http://www.ncbi.nlm.nih.gov/gene/1798>

NCBI - NP_001373

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