

## Product datasheet for **TA319635**

### DPAGT1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	DPAGT1 antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of human DPAGT1.
Formulation:	DPAGT1 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	DPAGT1 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	dolichyl-phosphate N-acetylglucosaminephosphotransferase 1
Database Link:	<a href="#">NP_001373</a> <a href="#">Entrez Gene 13478 Mouse</a> <a href="#">Entrez Gene 1798 Human</a> <a href="#">Q9H3H5</a>
Background:	DPAGT1 Antibody: The UDP-N-acetylglucosamine-dolichyl-phosphate N-acetylglucosaminephosphotransferase (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.
Synonyms:	ALG7; CDG-Ij; CDG1J; CMSTA2; D11S366; DGPT; DPAGT; DPAGT2; G1PT; GPT; UAGT; UGAT

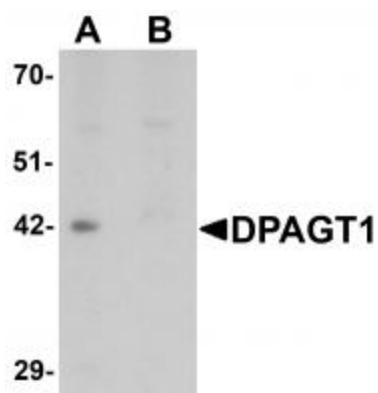


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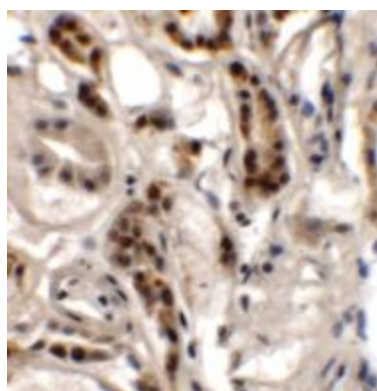
Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, N-Glycan biosynthesis

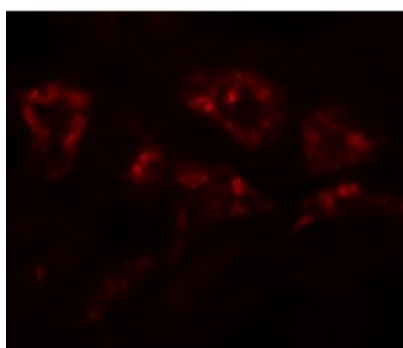
### Product images:



Western blot analysis of DPAGT1 in mouse kidney tissue lysate with DPAGT1 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of DPAGT1 in human kidney tissue with DPAGT1 antibody at 2.5 ug/mL.



Immunofluorescence of DPAGT1 in human kidney tissue with DPAGT1 antibody at 20 ug/mL.