

## Anti-DPAGT1 Antibody

Catalog Number: A08142

### About DPAGT1

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.

### Overview

Product Name	Anti-DPAGT1 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-DPAGT1 Antibody (Catalog # A08142). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	DPAGT1 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	DPAGT1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9H3H5

### Technical Details

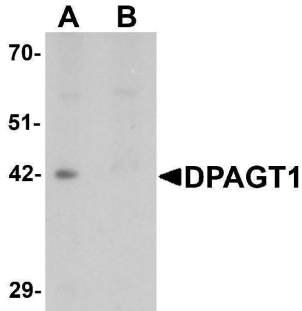
Immunogen	DPAGT1 antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of human DPAGT1. The immunogen is located within amino acids 30 - 80 of DPAGT1.
Predicted Reactive Species	Bovine
Cross Reactivity	At least four isoforms of DPAGT1 are known to exist; this antibody will recognize the two longest isoforms. DPAGT1 antibody is predicted to not cross-react with UHRF1BP1.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	DPAGT1 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

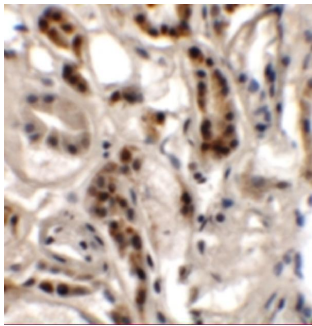
DPAGT1 antibody can be used for detection of DPAGT1 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

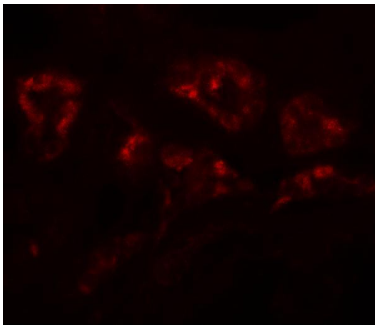
## Anti-DPAGT1 Antibody (A08142) Images



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.

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For Research Use Only. Not for use in diagnostic procedures.