BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-DPAGT1 Antibody

**Catalog Number:** A08142

## About DPAGT1

The UDP-N-acetylglucosamine-dolichyl-phosphate N-acetyl-glucosaminephosphotransferase (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.

## Submit a product review to Biocompare.com




Submit a review of this product to Biocompare.com to receive a $20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.

## 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 ≤0.09% sodium azide. |
| Storage Instructions | DPAGT1 antibody can be stored at 4°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

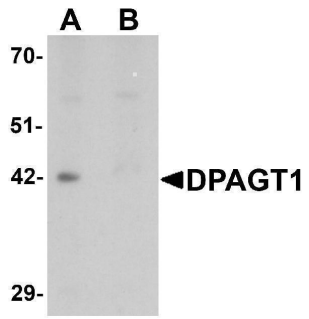
| | |
|---|---|
| Immunogen | DPAGT1 antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of human DPAGT1. The immunogen is located within amino acids 30 - 80 of DPAGT1. |
| Predicted Reactive Species | Bovine |
| Cross Reactivity | At least four isoforms of DPAGT1 are known to exist; this antibody will recognize the two longest |

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

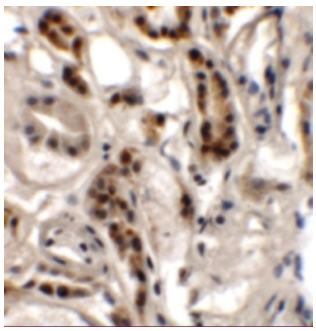
| | |
|---|---|
| | isoforms. DPAGT1 antibody is predicted to not cross-react with UHRF1BP1. |
| Isotype | IgG |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Purification | DPAGT1 Antibody is affinity chromatography purified via peptide column. |
| Suggested Dilutions | DPAGT1 antibody can be used 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.<br>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. |

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

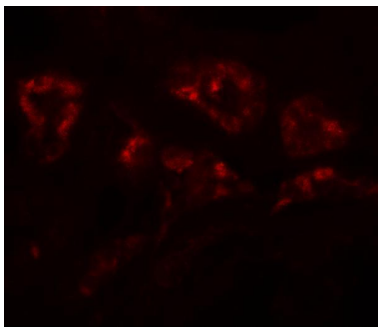
# Anti-DPAGT1 Antibody (A08142) Images




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.

Anti-DPAGT1 Antibody

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