




Product datasheet

Anti-DPAGT1/GPT antibody ab214179

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Overview

Product name	Anti-DPAGT1/GPT antibody
Description	Rabbit polyclonal to DPAGT1/GPT
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat Predicted to work with: Human 
Immunogen	Synthetic peptide within Human DPAGT1/GPT aa 300-400 conjugated to keyhole limpet haemocyanin. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: Q9H3H5  Run BLAST with  Run BLAST with
Positive control	Mouse lung lysate; Rat brain tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), 1% BSA, 48.98% TBS, 1X
Purity	Protein A purified

Clonality	Polyclonal
Isotype	IgG

Applications

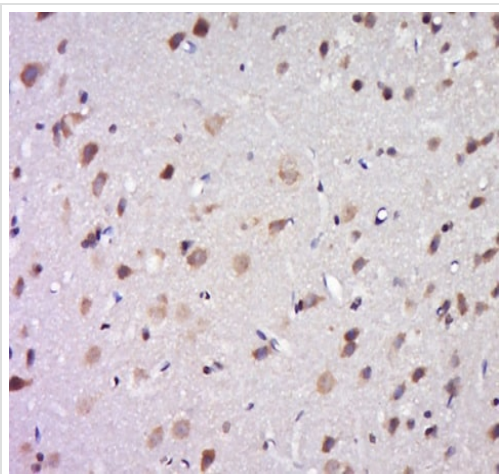
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab214179 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/100 - 1/1000. Predicted molecular weight: 46 kDa.

Target

Function	Catalyzes the initial step in the synthesis of dolichol-P-P-oligosaccharides.
Pathway	Protein modification; protein glycosylation.
Involvement in disease	Defects in DPAGT1 are the cause of congenital disorder of glycosylation type 1J (CDG1J) [MIM:608093]. CDGs are a family of severe inherited diseases caused by a defect in protein N-glycosylation. They are characterized by under-glycosylated serum proteins. These multisystem disorders present with a wide variety of clinical features, such as disorders of the nervous system development, psychomotor retardation, dysmorphic features, hypotonia, coagulation disorders, and immunodeficiency. The broad spectrum of features reflects the critical role of N-glycoproteins during embryonic development, differentiation, and maintenance of cell functions.
Sequence similarities	Belongs to the glycosyltransferase 4 family.
Cellular localization	Endoplasmic reticulum membrane.

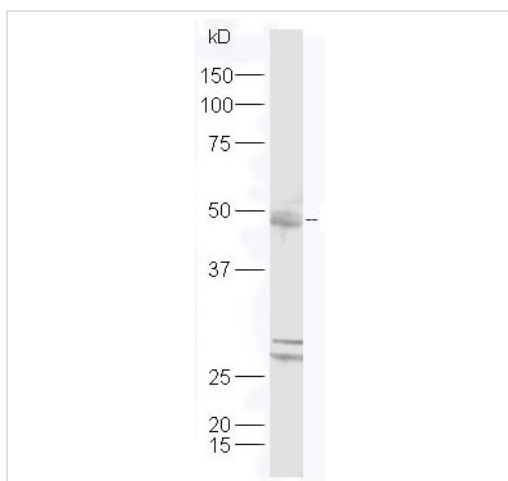
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DPAGT1/GPT antibody (ab214179)

Immunohistochemical analysis of paraformaldehyde-fixed, paraffin-embedded rat brain tissue labeling DPAGT1/GPT with ab214179 at 1/500 dilution, followed by secondary antibody detection and DAB staining.

Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (normal goat serum) at 37°C for 20min.



Western blot - Anti-DPAGT1/GPT antibody (ab214179)

Anti-DPAGT1/GPT antibody (ab214179) at 1/300 dilution + Mouse lung lysate

Secondary

Goat Anti-Rabbit IgG Antibody (H+L), HRP Conjugated at 1/5000 dilution

Predicted band size: 46 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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