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PIGT Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16188b

Product Information

Application	WB, E
Primary Accession	Q969N2
Other Accession	Q8BXQ2, NP_057021.2, NP_001171658.1, NP_001171657.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35574
Calculated MW	65700
Antigen Region	392-421

Additional Information

Gene ID	51604
Other Names	GPI transamidase component PIG-T, Phosphatidylinositol-glycan biosynthesis class T protein, PIGT
Target/Specificity	This PIGT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 392-421 amino acids from the C-terminal region of human PIGT.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PIGT Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PIGT (HGNC:14938)
Function	Component of the glycosylphosphatidylinositol-anchor (GPI- anchor) transamidase (GPI-T) complex that catalyzes the formation of the linkage

	between a proprotein and a GPI-anchor and participates in GPI anchored protein biosynthesis (PubMed:11483512, PubMed:12582175, PubMed:28327575, PubMed:34576938, PubMed:35165458, PubMed:35551457, PubMed:36970549, PubMed:37684232). May play a crucial role in GPI-T complex assembly in the luminal layer (PubMed:35165458, PubMed:35551457). Binds GPI-anchor (PubMed:37684232).
Cellular Location	Endoplasmic reticulum membrane; Single-pass type I membrane protein

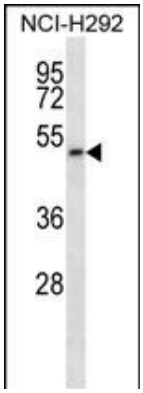
Background

This gene encodes a protein that is involved in glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI-anchor is a glycolipid found on many blood cells and serves to anchor proteins to the cell surface. This protein is an essential component of the multisubunit enzyme, GPI transamidase. GPI transamidase mediates GPI anchoring in the endoplasmic reticulum, by catalyzing the transfer of fully assembled GPI units to proteins. Several transcript variants encoding different isoforms have been found for this gene.

References

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Vainauskas, S., et al. J. Biol. Chem. 280(16):16402-16409(2005)
Ohishi, K., et al. J. Biol. Chem. 278(16):13959-13967(2003)
Eisenhaber, B., et al. Bioessays 25(4):367-385(2003)
Vainauskas, S., et al. J. Biol. Chem. 277(34):30535-30542(2002)

Images



PIGT Antibody (C-term) (Cat. #AP16188b) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the PIGT antibody detected the PIGT protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.