

**PIGO Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17269b**

**Specification**

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**PIGO Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q8TEQ8</a>
Other Accession	<a href="#">NP_116023.2</a> , <a href="#">NP_690577.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	118699
Antigen Region	955-983

**PIGO Antibody (C-term) - Additional Information**

**Gene ID** 84720

**Other Names**

GPI ethanolamine phosphate transferase 3, 2---, Phosphatidylinositol-glycan biosynthesis class O protein, PIG-O, PIGO

**Target/Specificity**

This PIGO antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 955-983 amino acids from the C-terminal region of human PIGO.

**Dilution**

WB~~1:1000

**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**

PIGO Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PIGO Antibody (C-term) - Protein Information**

**Name** PIGO

**Function** Ethanolamine phosphate transferase involved in glycosylphosphatidylinositol-anchor

biosynthesis. Transfers ethanolamine phosphate to the GPI third mannose which links the GPI-anchor to the C-terminus of the proteins by an amide bond.

#### **Cellular Location**

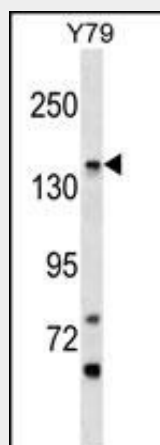
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9JJI6}; Multi-pass membrane protein

#### **PIGO Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **PIGO Antibody (C-term) - Images**



PIGO Antibody (C-term) (Cat. #AP17269b) western blot analysis in Y79 cell line lysates (35ug/lane). This demonstrates the PIGO antibody detected the PIGO protein (arrow).

#### **PIGO Antibody (C-term) - Background**

This gene encodes a protein that is involved in glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI-anchor is a glycolipid which contains three mannose molecules in its core backbone. The GPI-anchor is found on many blood cells and serves to anchor proteins to the cell surface. This protein is involved in the transfer of ethanolaminephosphate (EtNP) to the third mannose in GPI. At least two alternatively spliced transcripts encoding distinct isoforms have been found for this gene.

#### **PIGO Antibody (C-term) - References**

Bailey, S.D., et al. Diabetes Care (2010) In press :  
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :

Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)  
Humphray, S.J., et al. Nature 429(6990):369-374(2004)  
Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)