

PIGO Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP17269b

Specification

PIGO Antibody (C-term) - Product Information

Application WB,E
Primary Accession Q8TEQ8

Other Accession <u>NP_116023.2</u>, <u>NP_690577.2</u>

Reactivity
Host
Clonality
Polyclonal
Isotype
Calculated MW
Antigen Region

Human
Rabbit
Polyclonal
Rabbit IgG
118699
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

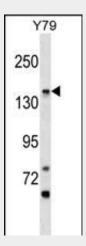
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9JJI6}; Multi-pass membrane protein

PIGO Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PIGO Antibody (C-term) - Images



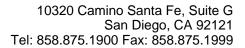
PIGO Antibody (C-term) (Cat. #AP17269b) western blot analysis in Y79 cell line lysates (35ug/lane). This demonstrates the PIGO antibody detected the PIGO protein (arrow).

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)