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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	NP_116023.2, NP_690577.2
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
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
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 (HGNC:23215)

Function Catalytic subunit of the ethanolamine phosphate transferase 3 complex that transfers an ethanolamine phosphate (EtNP) from a phosphatidylethanolamine (PE) to the 6-OH position of the third alpha- 1,2-linked mannose of the a 2-acyl-6-[alpha-D-mannosyl-(1->2)-alpha-D-mannosyl-(1->6)-2-phosphoethanolamine-alpha-D-mannosyl-(1->4)-alpha-D-glucosaminyl]-1-(1-radyl,2-acyl-sn-glycero-3-phospho)-1D-myo-inositol (also termed H6) intermediate to generate a a 2-acyl-6-[6-phosphoethanolamine-alpha-D-mannosyl-(1->2)-alpha-D-mannosyl-(1->6)-2-phosphoethanolamine-alpha-D-mannosyl-(1->4)-alpha-D-glucosaminyl]-1-(1-radyl,2-acyl-sn-glycero-3-phospho)-1D-myo-inositol (also termed H7) and participates in the tenth step of the glycosylphosphatidylinositol- anchor biosynthesis.

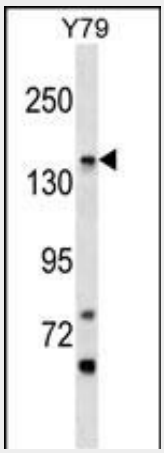
Cellular Location
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9JJI6}; Multi-pass membrane protein

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 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)