

**PIGC Antibody (C-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22091b**

**Specification**

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**PIGC Antibody (C-Term) - Product Information**

Application	<b>WB, FC,E</b>
Primary Accession	<a href="#">O92535</a>
Other Accession	<a href="#">O3ZBX1</a> , <a href="#">O9CXR4</a> , <a href="#">O5PQO4</a>
Reactivity	<b>Human</b>
Predicted	<b>Bovine, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>33583</b>

**PIGC Antibody (C-Term) - Additional Information**

**Gene ID** 5279

**Other Names**

Phosphatidylinositol N-acetylglucosaminyltransferase subunit C, 2.4.1.198,  
Phosphatidylinositol-glycan biosynthesis class C protein, PIG-C, PIGC, GPI2

**Target/Specificity**

This PIGC antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 264-294 amino acids from human PIGC.

**Dilution**

WB~~1:1000  
FC~~1:25

**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**

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

**PIGC Antibody (C-Term) - Protein Information**

**Name** PIGC ([HGNC:8960](#))

## Synonyms GPI2

**Function** Part of the glycosylphosphatidylinositol-N- acetylglucosaminyltransferase (GPI-GnT) complex that catalyzes the transfer of N-acetylglucosamine from UDP-N-acetylglucosamine to phosphatidylinositol and participates in the first step of GPI biosynthesis.

## Cellular Location

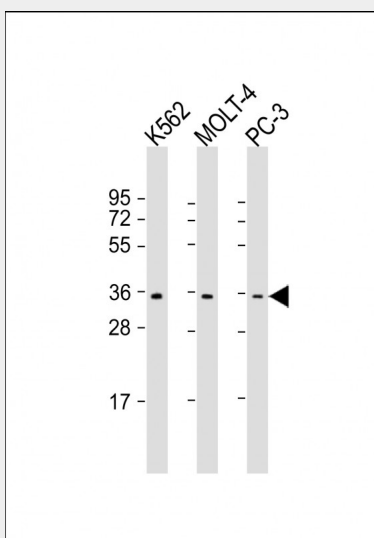
Endoplasmic reticulum membrane; Multi-pass membrane protein

## PIGC Antibody (C-Term) - Protocols

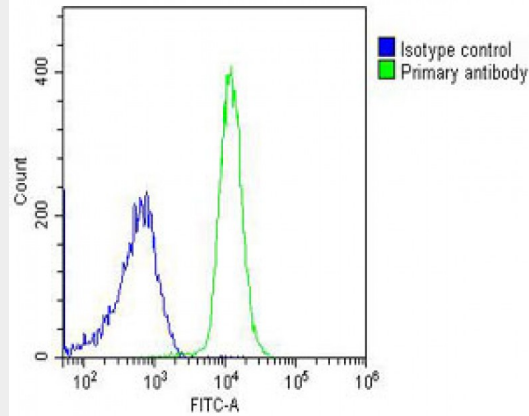
Provided below are standard protocols that you may find useful for product applications.

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

## PIGC Antibody (C-Term) - Images



All lanes : Anti-PIGC Antibody (C-Term) at 1:1000 dilution Lane 1: K562 whole cell lysate Lane 2: MOLT-4 whole cell lysate Lane 3: PC-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 34 kDa Blocking/Dilution buffer: 5% NFDN/TBST.



Overlay histogram showing K562 cells stained with AP22091b (green line). The cells were fixed with 2% paraformaldehyde (10 min). The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22091b, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG (1µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10, 000 events was performed.

#### **PIGC Antibody (C-Term) - Background**

Part of the complex catalyzing the transfer of N- acetylglucosamine from UDP-N-acetylglucosamine to phosphatidylinositol, the first step of GPI biosynthesis.

#### **PIGC Antibody (C-Term) - References**

- Inoue N.,et al.Biochem. Biophys. Res. Commun. 226:193-199(1996).
- Hong Y.,et al.Genomics 44:347-349(1997).
- Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
- Ebert L.,et al.Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.
- Gregory S.G.,et al.Nature 441:315-321(2006).