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

Specification

PIGC Antibody (C-Term) - Product Information

Application	**WB, FC,E**
Primary Accession	Q92535
Other Accession	Q3ZBX1, Q9CXR4, Q5PQQ4
Reactivity	**Human**
Predicted	**Bovine, Mouse, Rat**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**33583**

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.

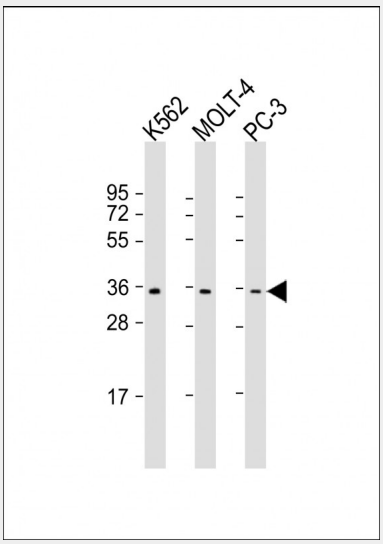
Cellular Location
Endoplasmic reticulum membrane; Multi-pass membrane protein

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 Cytomety
- 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% NFDM/TBST.

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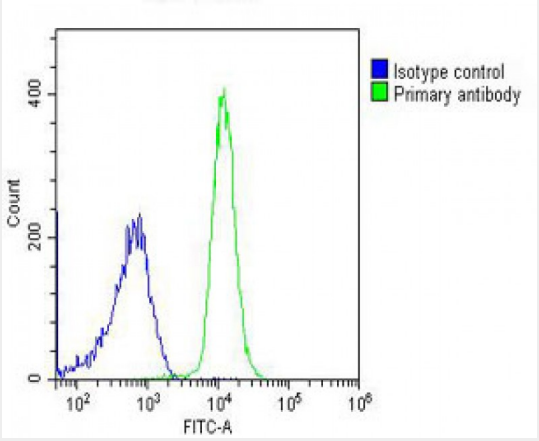

Overlay histogram showing K562 cells stained with AP22091b (green line). The cells were fixed with 2% paraformaldehyde (10 min). The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22091b, 1:25 dilution) for 60 min at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