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PIGB Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20135a

Specification

PIGB Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q92521
Other Accession	NP_004846.4
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**65056**
Antigen Region	**28-56**

PIGB Antibody (N-term) - Additional Information

Gene ID 9488

Other Names
GPI mannosyltransferase 3, 241-, GPI mannosyltransferase III, GPI-MT-III, Phosphatidylinositol-glycan biosynthesis class B protein, PIG-B, PIGB

Target/Specificity
This PIGB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 28-56 amino acids from the N-terminal region of human PIGB.

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

PIGB Antibody (N-term) - Protein Information

Name PIGB (HGNC:8959)

Function Alpha-1,2-mannosyltransferase that catalyzes the transfer of the third mannose, via an alpha-1,2 bond, from a dolichol-phosphate- mannose (Dol-P-Man) to an alpha-D-Man-(1->6)-2-PEtn-alpha-D-Man-(1->4)-alpha-D-GlcN-(1->6)-(1-radyl,2-acyl-sn-glycero-3-phospho)-2-acyl- inositol intermediate to generate an alpha-D-Man-(1->2)-alpha-D-Man-(1->6)-2-PEtn-alpha-D-Man-(1->4)-alpha-D-GlcN-(1->6)-(1-radyl,2-acyl-sn-glycero-3-phospho)-2-acyl-inositol (also termed H6) and participates in the nineth step of the glycosylphosphatidylinositol-anchor biosynthesis (PubMed:8861954). May also add the third mannose to an alpha-D-Man-(1->6)-alpha-D-Man-(1->4)-alpha-D-GlcN-(1->6)-(1-radyl,2-acyl-sn-glycero-3-phospho)-2-acyl-inositol (also termed H3) intermediate generating an alpha-D-Man-(1->2)-alpha-D-Man-(1->6)-alpha-D-Man-(1->4)-alpha-D-GlcN-(1->6)-(1-radyl,2-acyl-sn-glycero-3-phospho)- 2-acyl-inositol (also termed H4) (Probable).

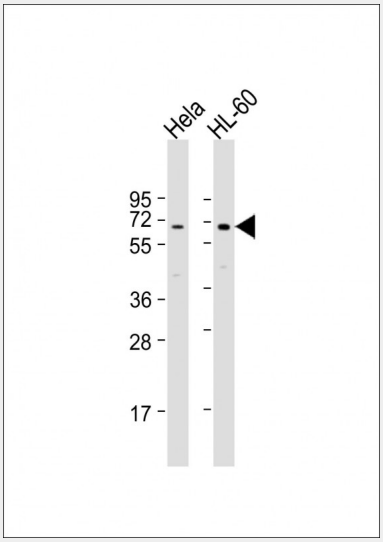
Cellular Location
Endoplasmic reticulum membrane; Multi-pass membrane protein

PIGB Antibody (N-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

PIGB Antibody (N-term) - Images



All lanes : Anti-PIGB Antibody (N-term) at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: HL-60 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 : 65 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

PIGB Antibody (N-term) - Background

This gene encodes a transmembrane protein that is located in the endoplasmic reticulum and is involved in GPI-anchor biosynthesis. The glycosylphosphatidylinositol (GPI) anchor is a glycolipid found on many blood cells and serves to anchor proteins to the cell surface. This gene is thought to encode a member of a family of dolichol-phosphate-mannose (Dol-P-Man) dependent mannosyltransferases.

PIGB Antibody (N-term) - References

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