

### **PIGB Antibody (N-term)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP20135a

#### Specification

# **PIGB Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<u>Q92521</u>
Other Accession	<u>NP_004846.4</u>
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

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 (<u>HGNC:8959</u>)

Function Mannosyltransferase involved in glycosylphosphatidylinositol- anchor biosynthesis.



Transfers the third alpha-1,2-mannose to Man2- GlcN-acyl-PI during GPI precursor assembly.

**Cellular Location** 

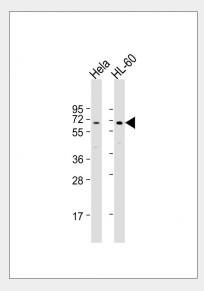
Endoplasmic reticulum membrane; Multi-pass membrane protein

# **PIGB Antibody (N-term) - Protocols**

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

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

# 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**



Rose, J. Phd, et al. Mol. Med. (2010) In press : Hwang, G.W., et al. J Toxicol Sci 32(5):581-583(2007) Anikster, Y., et al. Am. J. Hum. Genet. 71(2):407-414(2002) Kinoshita, T., et al. Curr Opin Chem Biol 4(6):632-638(2000) Takahashi, M., et al. EMBO J. 15(16):4254-4261(1996)