

**PIGA Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP12378b**

**Specification**

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**PIGA Antibody (C-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">P37287</a>
Other Accession	<a href="#">NP_065206.3</a> , <a href="#">NP_002632.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	54127
Antigen Region	455-484

**PIGA Antibody (C-term) - Additional Information**

**Gene ID** 5277

**Other Names**

Phosphatidylinositol N-acetylglucosaminyltransferase subunit A, GlcNAc-PI synthesis protein, Phosphatidylinositol-glycan biosynthesis class A protein, PIG-A, PIGA

**Target/Specificity**

This PIGA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 455-484 amino acids from the C-terminal region of human PIGA.

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50

**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**

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

**PIGA Antibody (C-term) - Protein Information**

**Name** PIGA ([HGNC:8957](#))

**Function** Catalytic subunit 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**

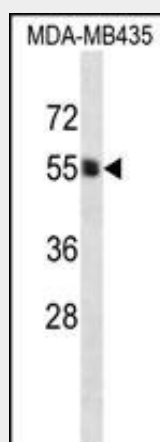
Endoplasmic reticulum membrane; Single-pass membrane protein

**PIGA Antibody (C-term) - Protocols**

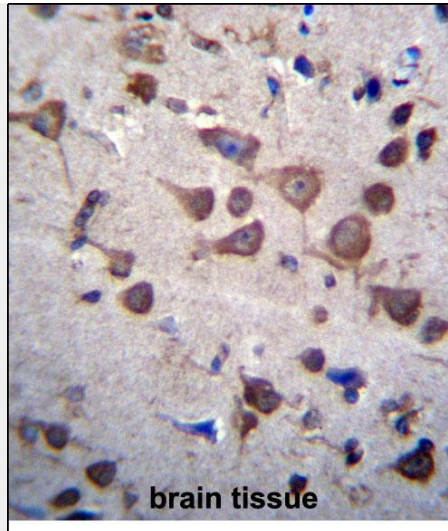
Provided below are standard protocols that you may find useful for product applications.

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

**PIGA Antibody (C-term) - Images**



PIGA Antibody (C-term) (Cat. #AP12378b) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the PIGA antibody detected the PIGA protein (arrow).



PIGA Antibody (C-term) (Cat. #AP12378b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PIGA Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **PIGA Antibody (C-term) - Background**

This gene encodes a protein required for synthesis of N-acetylglucosaminyl phosphatidylinositol (GlcNAc-PI), the first intermediate in the biosynthetic pathway of GPI anchor. The GPI anchor is a glycolipid found on many blood cells and which serves to anchor proteins to the cell surface. Paroxysmal nocturnal hemoglobinuria, an acquired hematologic disorder, has been shown to result from mutations in this gene. Alternate splice variants have been characterized. A related pseudogene is located on chromosome 12.

#### **PIGA Antibody (C-term) - References**

Borowitz, M.J., et al. Cytometry B Clin Cytom 78(4):211-230(2010)  
Peruzzi, B., et al. Mutat. Res. 705(1):3-10(2010)  
Araten, D.J., et al. Mutat. Res. 686 (1-2), 1-8 (2010) :  
Iida, Y., et al. Blood 83(11):3126-3131(1994)  
Ware, R.E., et al. Blood 83(9):2418-2422(1994)