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

Specification

PIGA Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P37287
Other Accession	NP_065206.3, NP_002632.1
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.

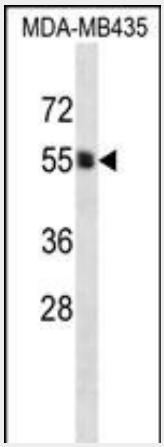
Cellular Location
Endoplasmic reticulum membrane; Single-pass membrane protein

PIGA Antibody (C-term) - Protocols

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

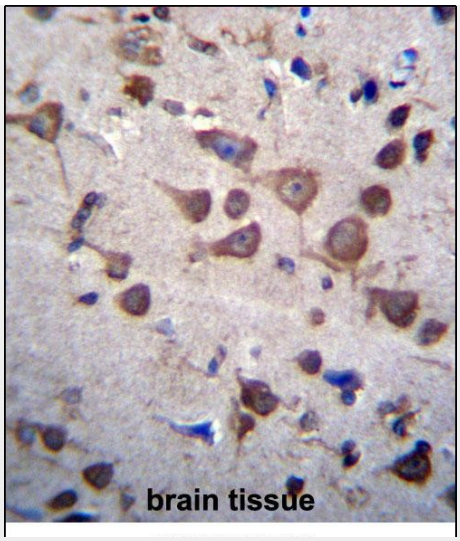
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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).

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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)