

PIGM Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP4753b

Specification

PIGM Antibody (C-term) - Product Information

Application WB, IHC-P, FC,E

Primary Accession O9H3S5 Other Accession **Q4R4E1** Reactivity Human Predicted Monkey Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 49460 Antigen Region 394-423

PIGM Antibody (C-term) - Additional Information

Gene ID 93183

Other Names

GPI mannosyltransferase 1, 241-, GPI mannosyltransferase I, GPI-MT-I, Phosphatidylinositol-glycan biosynthesis class M protein, PIG-M, PIGM

Target/Specificity

This PIGM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 394-423 amino acids from the C-terminal region of human PIGM.

Dilution

WB~~1:1000 IHC-P~~1:50~100 FC~~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

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

PIGM Antibody (C-term) - Protein Information



Name PIGM

Function Mannosyltransferase involved in glycosylphosphatidylinositol- anchor biosynthesis. Transfers the first alpha-1,4-mannose to GlcN- acyl-PI during GPI precursor assembly.

Cellular Location

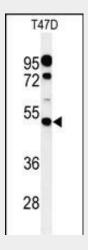
Endoplasmic reticulum membrane; Multi-pass membrane protein

PIGM Antibody (C-term) - Protocols

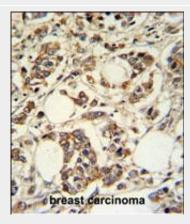
Provided below are standard protocols that you may find useful for product applications.

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

PIGM Antibody (C-term) - Images



Western blot analysis of PIGM Antibody (C-term) (Cat. #AP4753b) in T47D cell line lysates (35ug/lane). PIGM (arrow) was detected using the purified Pab.

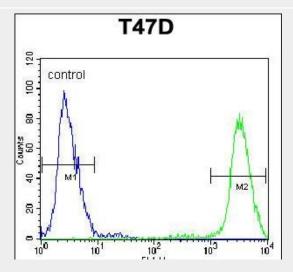


PIGM Antibody (C-term) (Cat. #AP4753b) IHC analysis in formalin fixed and paraffin embedded





breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PIGM Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



PIGM Antibody (C-term) (Cat. #AP4753b) flow cytometric analysis of T47D cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

PIGM Antibody (C-term) - Background

PIGM 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 which contains three mannose molecules in its core backbone. The GPI-anchor is found on many blood cells and serves to anchor proteins to the cell surface. PIGM encodes a mannosyltransferase, GPI-MT-I, that transfers the first mannose to GPI on the lumenal side of the endoplasmic reticulum.

PIGM Antibody (C-term) - References

Almeida, A.M., et al. Nat. Med. 12(7):846-851(2006) Maeda, Y., et al. EMBO J. 20 (1-2), 250-261 (2001) Kinoshita, T., et al. Curr Opin Chem Biol 4(6):632-638(2000)