

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	Q9H3S5
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.

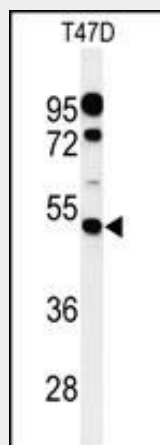
Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

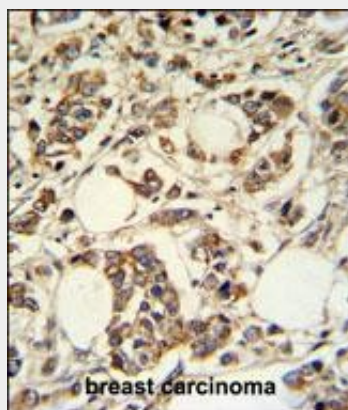
PIGM Antibody (C-term) - Protocols

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

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

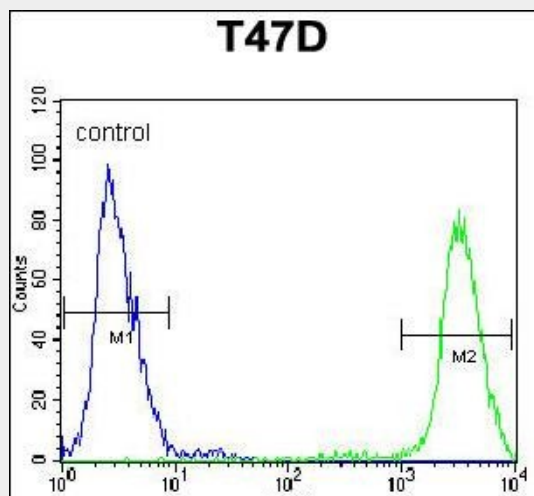
PIGM Antibody (C-term) - Images

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 luminal 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)