

PIGV Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13001B

Specification

PIGV Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O9NUD9
Other Accession	NP_060307.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	55713
Antigen Region	343-371

PIGV Antibody (C-term) - Additional Information

Gene ID 55650

Other Names

GPI mannosyltransferase 2, 241-, GPI mannosyltransferase II, GPI-MT-II,
Phosphatidylinositol-glycan biosynthesis class V protein, PIG-V, PIGV

Target/Specificity

This PIGV antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 343-371 amino acids from the C-terminal region of human PIGV.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

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

PIGV Antibody (C-term) - Protein Information

Name PIGV ([HGNC:26031](#))

Function Alpha-1,6-mannosyltransferase that catalyzes the transfer of the second mannose, via an alpha-1,6 bond, from a dolichol-phosphate-mannose (Dol-P-Man) to the alpha-D-Man-(1->4)-alpha-D-GlcN-(1->6)-(1-radyl,2-acyl-sn-glycero-3-phospho)-2-acyl-inositol (also termed H2) intermediate to generate an alpha-D-Man-(1->6)-alpha-D-Man-(1->4)-alpha-D-GlcN-(1->6)-(1-radyl,2-acyl-sn-glycero-3-phospho)-2-acyl-inositol (also termed H3) and participates in the seventh step of the glycosylphosphatidylinositol-anchor biosynthesis (PubMed:[15623507](#), PubMed:[15720390](#)). Also transfers the second mannose on a 2-PETn-alpha-D-Man-(1->4)-alpha-D-GlcN-(1->6)-(1-radyl,2-acyl-sn-glycero-3-phospho)-2-acyl-inositol (also termed H5) (By similarity).

Cellular Location

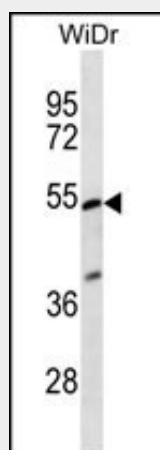
Endoplasmic reticulum membrane; Multi-pass membrane protein

PIGV 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](#)

PIGV Antibody (C-term) - Images



PIGV Antibody (C-term) (Cat. #AP13001b) western blot analysis in WiDr cell line lysates (35ug/lane). This demonstrates the PIGV antibody detected the PIGV protein (arrow).

PIGV Antibody (C-term) - Background

Glycosylphosphatidylinositol (GPI) is a complex glycolipid that anchors many proteins to the cell surface. The biosynthetic pathway of GPI is mediated by sequential addition of sugars and other components to phosphatidylinositol. PIGV adds the second mannose to the GPI core (Kang et al., 2005 [PubMed [15623507](#)]).

PIGV Antibody (C-term) - References

Krawitz, P.M., et al. Nat. Genet. 42(10):827-829(2010)
Kang, J.Y., et al. J. Biol. Chem. 280(10):9489-9497(2005)
Fabre, A.L., et al. FEBS J. 272(5):1160-1168(2005)
Kinoshita, T., et al. Curr Opin Chem Biol 4(6):632-638(2000)