

PIGV Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13001b

Specification

PIGV Antibody (C-term) Blocking peptide - Product Information

Primary Accession [Q9NUD9](#)

PIGV Antibody (C-term) Blocking peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PIGV Antibody (C-term) Blocking peptide - Protein Information

Name PIGV

Function

Alpha-1,6-mannosyltransferase involved in glycosylphosphatidylinositol-anchor biosynthesis. Transfers the second mannose to the glycosylphosphatidylinositol during GPI precursor assembly.

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

PIGV Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

PIGV Antibody (C-term) Blocking peptide - Images

PIGV Antibody (C-term) Blocking peptide - 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 [PubMed15623507]).

PIGV Antibody (C-term) Blocking peptide - 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)