

PIGP Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16809a

Specification

PIGP Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P57054
Other Accession	NP_710148.1 , NP_710149.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	18089
Antigen Region	2-30

PIGP Antibody (N-term) - Additional Information

Gene ID 51227

Other Names

Phosphatidylinositol N-acetylglucosaminyltransferase subunit P, Down syndrome critical region protein 5, Down syndrome critical region protein C, Phosphatidylinositol-glycan biosynthesis class P protein, PIG-P, PIGP, DCRC, DSCR5, DSCRC

Target/Specificity

This PIGP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-30 amino acids from the N-terminal region of human PIGP.

Dilution

WB~~1:1000

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

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

PIGP Antibody (N-term) - Protein Information

Name PIGP ([HGNC:3046](#))

Synonyms DCRC, DSCR5, DSCRC

Function Part 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

Membrane; Multi-pass membrane protein

Tissue Location

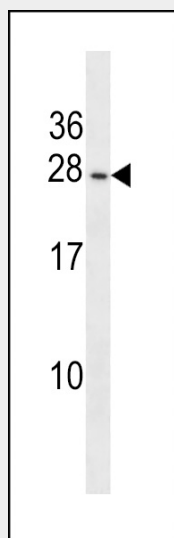
Ubiquitous.

PIGP Antibody (N-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](#)

PIGP Antibody (N-term) - Images



PIGP Antibody (N-term) (Cat. #AP16809a) western blot analysis in T47D cell line lysates (35ug/lane). This demonstrates the PIGP antibody detected the PIGP protein (arrow).

PIGP Antibody (N-term) - Background

This gene encodes an enzyme involved in the first step of glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI-anchor is a glycolipid found on many blood cells that serves to anchor proteins to the cell surface. The encoded protein is a component of the GPI-N-acetylglucosaminyltransferase complex that

catalyzes the transfer of N-acetylglucosamine (GlcNAc) from UDP-GlcNAc to phosphatidylinositol (PI). This gene is located in the Down Syndrome critical region on chromosome 21 and is a candidate for the pathogenesis of Down syndrome. Alternatively spliced transcript variants encoding different isoforms have been described.

PIGP Antibody (N-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Ferrando-Miguel, R., et al. Amino Acids 26(3):255-261(2004)
Choi, D.K., et al. Mamm. Genome 12(5):347-351(2001)
Kinoshita, T., et al. Curr Opin Chem Biol 4(6):632-638(2000)
Watanabe, R., et al. EMBO J. 19(16):4402-4411(2000)