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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

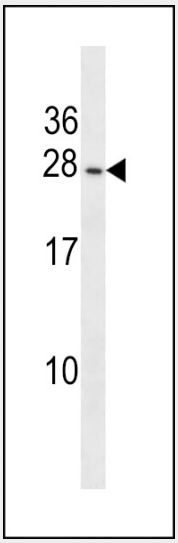
Tissue Location
Ubiquitous.

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 Cytomety
- 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)