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PIGH Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13029a

Product Information

Application	WB, E
Primary Accession	Q14442
Other Accession	NP_004560.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32816
Calculated MW	21081
Antigen Region	1-30

Additional Information

Gene ID	5283
Other Names	Phosphatidylinositol N-acetylglucosaminyltransferase subunit H, Phosphatidylinositol-glycan biosynthesis class H protein, PIG-H, PIGH
Target/Specificity	This PIGH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human PIGH.
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	PIGH Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PIGH (HGNC:8964)
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	Endoplasmic reticulum membrane; Multi-pass membrane protein

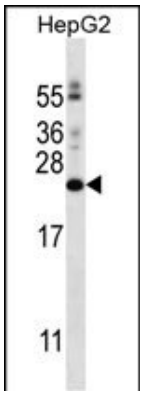
Background

This gene encodes an endoplasmic reticulum associated protein that is involved in glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI anchor is a glycolipid found on many blood cells and which serves to anchor proteins to the cell surface. The protein encoded by this gene is a subunit of the GPI N-acetylglucosaminyl (GlcNAc) transferase that transfers GlcNAc to phosphatidylinositol (PI) on the cytoplasmic side of the endoplasmic reticulum.

References

Lamesch, P., et al. Genomics 89(3):307-315(2007)
Kinoshita, T., et al. Curr Opin Chem Biol 4(6):632-638(2000)
Watanabe, R., et al. EMBO J. 17(4):877-885(1998)
Watanabe, R., et al. J. Biol. Chem. 271(43):26868-26875(1996)
Ware, R.E., et al. Blood 83(12):3753-3757(1994)

Images



PIGH Antibody (N-term) (Cat. #AP13029a) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the PIGH antibody detected the PIGH protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.