

PIGS Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18217b

Product Information

Application	WB, E
Primary Accession	Q96S52
Other Accession	NP_149975.1
Reactivity	Human
Predicted	Mouse, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33100
Calculated MW	61656
Antigen Region	527-555

Additional Information

Gene ID	94005
Other Names	GPI transamidase component PIG-S, Phosphatidylinositol-glycan biosynthesis class S protein, PIGS
Target/Specificity	This PIGS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 527-555 amino acids from the C-terminal region of human PIGS.
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	PIGS Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PIGS (HGNC:14937)
Function	Component of the glycosylphosphatidylinositol-anchor (GPI- anchor) transamidase (GPI-T) complex that catalyzes the formation of the linkage

between a proprotein and a GPI-anchor and participates in GPI anchored protein biosynthesis.

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

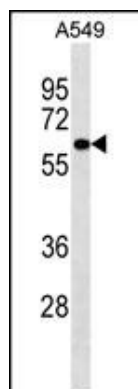
Background

This gene encodes a protein that is involved in GPI-anchor biosynthesis. The glycosylphosphatidylinositol (GPI) anchor is a glycolipid found on many blood cells and serves to anchor proteins to the cell surface. This gene encodes an essential component of the multisubunit enzyme, GPI transamidase. GPI transamidase mediates GPI anchoring in the endoplasmic reticulum, by catalyzing the transfer of fully assembled GPI units to proteins. [provided by RefSeq].

References

Vainauskas, S., et al. J. Biol. Chem. 280(16):16402-16409(2005)
Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)
Hong, Y., et al. Mol. Biol. Cell 14(5):1780-1789(2003)
Ohishi, K., et al. J. Biol. Chem. 278(16):13959-13967(2003)
Vainauskas, S., et al. J. Biol. Chem. 277(34):30535-30542(2002)

Images



PIGS Antibody (C-term) (Cat. #AP18217b) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the PIGS antibody detected the PIGS protein (arrow).

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