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PIGU Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21827a

Product Information

Application	WB, E
Primary Accession	Q9H490
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB54134
Calculated MW	50052

Additional Information

Gene ID	128869
Other Names	Phosphatidylinositol glycan anchor biosynthesis class U protein, Cell division cycle protein 91-like 1, Protein CDC91-like 1, GPI transamidase component PIG-U, PIGU, CDC91L1
Target/Specificity	This PIGU antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 102-134 amino acids from human PIGU.
Dilution	WB~~1:2000 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	PIGU Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PIGU (HGNC:15791)
Synonyms	CDC91L1
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 (PubMed:12802054, PubMed:31353022, PubMed:34576938, PubMed:35165458, PubMed:35551457, PubMed:37684232). Binds the lipid portion of GPI-anchor (PubMed:37684232). May act as an organizer in the transmembrane layer to recruit other subunits, and thus is essential for assembly of the complex (PubMed:35165458, PubMed:35551457).

Cellular Location Endoplasmic reticulum membrane; Multi-pass membrane protein

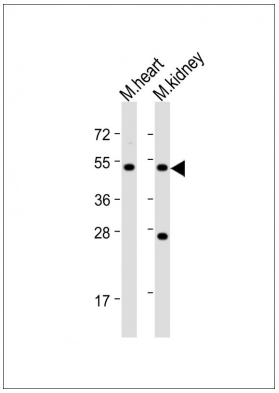
Background

Component of the GPI transamidase complex. May be involved in the recognition of either the GPI attachment signal or the lipid portion of GPI.

References

Hong Y.,et al.Mol. Biol. Cell 14:1780-1789(2003).
Guo Z.,et al.Submitted (SEP-2003) to the EMBL/GenBank/DDBJ databases.
Lin L.,et al.Submitted (JUL-2003) to the EMBL/GenBank/DDBJ databases.
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Otsuki T.,et al.DNA Res. 12:117-126(2005).

Images



All lanes : Anti-PIGU Antibody (N-Term) at 1:2000 dilution Lane 1: mouse heart lysate Lane 2: mouse kidney lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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