

# PIGU Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21827a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q9H490</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB54134
<b>Calculated MW</b>	50052

## Additional Information

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<b>Gene ID</b>	128869
<b>Other Names</b>	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
<b>Target/Specificity</b>	This PIGU antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 102-134 amino acids from human PIGU.
<b>Dilution</b>	WB~~1:2000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	PIGU Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	PIGU ( <a href="#">HGNC:15791</a> )
<b>Synonyms</b>	CDC91L1
<b>Function</b>	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

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

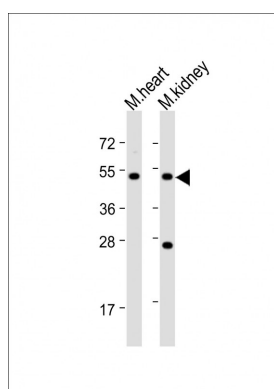
## References

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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

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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'.