

DATASHEET

PIG-Z Rabbit Polyclonal Antibody

CAT. NO. APA16497

KEY FEATURES

Target	PIG-Z	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Alpha-1,2-mannosyltransferase that catalyzes the transfer of the fourth mannose, via an alpha-1,2 bond, from a dolichol-phosphate-mannose (Dol-P-Man) to a 2-acyl-6-[alpha-D-mannosyl-(1->2)-alpha-D-mannosyl-(1->6)-2-phosphoethanolamine-alpha-D-mannosyl-(1->4)-alpha-D-glucosaminy]-1-(1-radyl,2-acyl-sn-glycero-3-phospho)-1D-myo-inositol (also termed H6) intermediate to generate a 2-acyl-6-[alpha-D-mannosyl-(1->2)-alpha-D-mannosyl-(1->2)-alpha-D-mannosyl-(1->6)-2-phosphoethanolamine-alpha-D-mannosyl-(1->4)-alpha-D-glucosaminy]-1-(1-radyl,2-acyl-sn-glycero-3-phospho)-1D-myo-inositol (also termed M4C) and participates in the twelfth step of the glycosylphosphatidylinositol-anchor biosynthesis (Probable).

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

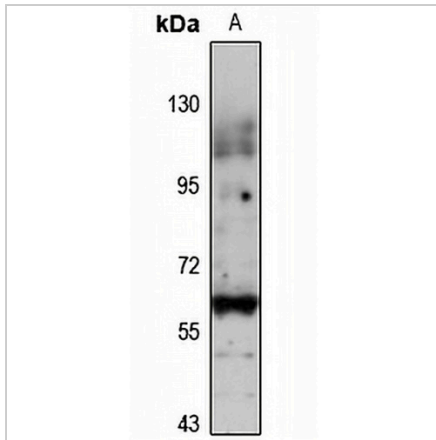
Description	Rabbit polyclonal antibody to PIG-Z
Specificity	Recognizes endogenous levels of PIG-Z protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human PIG-Z. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 63 kD; Observed: 63 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	SMP3; GPI mannosyltransferase 4; GPI mannosyltransferase IV; GPI-MT-IV; Phosphatidylinositol-glycan biosynthesis class Z protein; PIG-Z; SMP3 homolog; hSMP3
Gene Symbol	PIGZ
Entrez Gene	80235(Human); 239827(Mouse)
SwissProt	Q86VD9(Human); Q8BTP0(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of PIG-Z expression in U87MG (A) whole cell lysates. (Predicted band size: 63 kD; Observed band size: 63 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.