

Anti-PIGW Antibody

Catalog # AP51815

Product Information

Application	WB
Primary Accession	Q7Z7B1
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56882

Additional Information

Gene ID	284098
Other Names	Phosphatidylinositol-glycan biosynthesis class W protein; PIG-W
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human PIGW. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

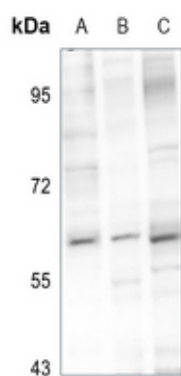
Name	PIGW (HGNC:23213)
Function	Acyltransferase that catalyzes the acyl transfer from an acyl-CoA at the 2-OH position of the inositol ring of a 6-(alpha-D-glucosaminyl)-1-(1,2-diacyl-sn-glycero-3-phospho)-1D-myo-inositol (glucosaminyl phosphatidylinositol, GlcN-PI) to generate a 2-acyl-6-alpha-D-glucosaminyl-1-(1,2-diacyl-sn-glycero-3-phospho)-1D-myo- inositol (glucosaminyl acyl phosphatidylinositol, GlcN-(acyl)PI) and participates in the fourth step of GPI-anchor biosynthesis (By similarity). Required for the transport of GPI-anchored proteins to the plasma membrane (PubMed: 24367057). Acylation during GPI-anchor biosynthesis is not essential for the subsequent mannosylation and is usually removed soon after the attachment of GPIs to proteins (By similarity).
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:Q7TSN4}; Multi-pass membrane protein {ECO:0000250 UniProtKB:Q7TSN4}

References

Murakami Y.,et al.Mol. Biol. Cell 14:4285-4295(2003).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Images



Western blot analysis of PIGW expression in U87MG (A), AML12 (B), PC12 (C) whole cell lysates. (Predicted band size: 56 kD; Observed band size: 65 kD)

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