

DATASHEET

PGAP1 Rabbit Polyclonal Antibody

CAT. NO. APA19334

KEY FEATURES

Target	PGAP1	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC, FC	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

GPI inositol-deacylase that catalyzes the remove of the acyl chain linked to the 2-OH position of inositol ring from the GPI-anchored protein (GPI-AP) in the endoplasmic reticulum in the endoplasmic reticulum . Initiates the post-attachment remodeling phase of GPI-AP biogenesis and participates in endoplasmic reticulum (ER)-to-Golgi transport of GPI-anchored protein .

APPLICATION

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

WB	1:500 - 1:1000
IF/ICC	1:10 - 1:50
FC	1:10 - 1:30

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to PGAP1
Specificity	Recognizes endogenous levels of PGAP1 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the Central region of human PGAP1. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 105 kD; Observed: 105 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	GPI inositol-deacylase; Post-GPI attachment to proteins factor 1; hPGAP1
Gene Symbol	PGAP1
Entrez Gene	80055(Human); 241062(Mouse); 316400(Rat)
SwissProt	Q75T13(Human); Q3UUQ7(Mouse); Q765A7(Rat)

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

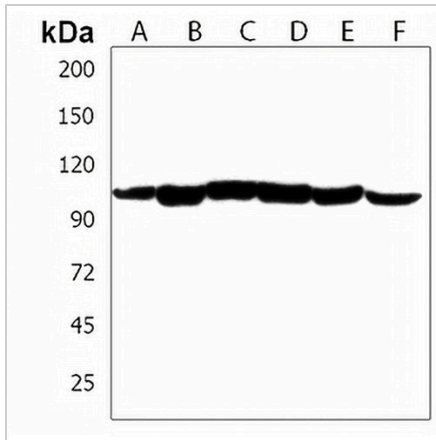
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

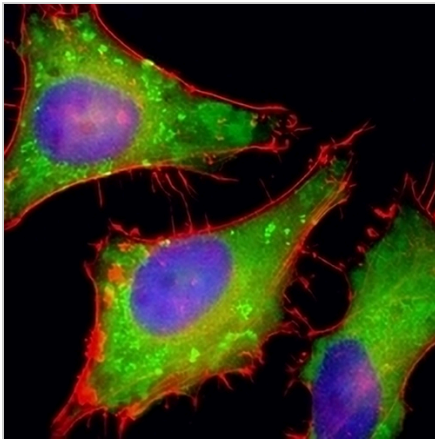
PGAP1 Rabbit Polyclonal Antibody

CAT. NO. APA19334

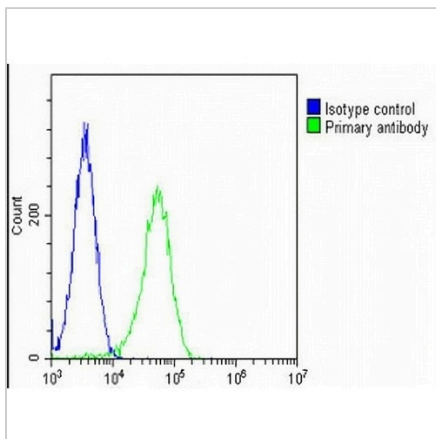
DATA



Western blot analysis of PGAP1 expression in SHSY5Y (A), HeLa (B), 293 (C), mouse kidney (D), mouse testis (E), rat kidney (F) whole cell lysates. (Predicted band size: 105 kD; Observed band size: 105 kD)



Immunofluorescent analysis of Anti-PGAP1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 555 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of HeLa cells using Anti-PGAP1 Antibody. The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody at 37 °C for 60 min. The secondary antibody Goat Anti-Rabbit IgG (H&L) - AREX® Fluor 488 was incubated at 37 °C for 40 min. Isotype control antibody (blue line) was used under the same condition.

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.