

Rabbit PGAP1 Polyclonal Antibody | anti-PGAP1 antibody

PGAP1 Antibody (N-Term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290847	Rabbit	Human, Mouse, RatPredicted: Mouse, Rat	Immunofluorescence, Flow Cytometry, Functional Assay, ELISA, Western Blot

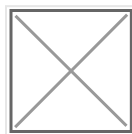
PRODUCT SYNONYMS

PGAP1; Polyclonal Antibody; PGAP1 Antibody (N-Term); GPI inositol-deacylase; 3.1.-.-; Post-GPI attachment to proteins factor 1; hPGAP1; anti-PGAP1 antibody

PRODUCT SPECIFICATIONS

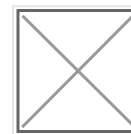
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Mouse, Rat
Clonality	Polyclonal
Isotype	Ig
Specificity	This PGAP1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 90-122 amino acids from human PGAP1.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	748
Applicable Applications for anti-PGAP1 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Overlay histogram showing HeLa cells stained with AP22207a (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AAA290847, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight®488 Conjugated Highly Cross-Adsorbed (OH191631) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1ug/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.



IF (Immunofluorescence)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (human cervical epithelial adenocarcinoma cell line) cells labeling PGAP1 with AAA290847 at 1/25 dilution, followed by DyLight® 488-conjugated goat anti-rabbit IgG (1583138) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on HeLa cell line. Cytoplasmic actin is detected with DyLight® 554 Phalloidin (OI17558410) at 1/100 dilution (red). The nuclear counter stain is DAPI (blue).



WB (Western Blot)

All lanes : Anti-PGAP1 Antibody (N-Term) at 1:2000 dilution
Lane 1: SH-SY5Y whole cell lysate
Lane 2: Hela whole cell lysate
Lane 3: 293 whole cell lysate
Lane 4: mouse kidney lysate
Lane 5: mouse testis lysate
Lane 6: rat kidney lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 105 kDa
Blocking/Dilution buffer: 5% NFD/MTBST.

ADDITIONAL INFORMATION

Related Product Information for anti-PGAP1 antibody	Involved in inositol deacylation of GPI-anchored proteins. GPI inositol deacylation may important for efficient transport of GPI-anchored proteins from the endoplasmic reticulum to the Golgi (By similarity).
Product Categories/Family for anti-PGAP1 antibody	Crown Antibodies; New Antibodies
References	Tanaka S.,et al.J. Biol. Chem. 279:14256-14263 (2004). Ota T.,et al.Nat. Genet. 36:40-45 (2004). Bechtel S.,et al.BMC Genomics 8:399-399 (2007). Hillier L.W.,et al.Nature 434:724-731 (2005). Clark H.F.,et al.Genome Res. 13:2265-2270 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	1007367540
NCBI GeneID	80055
NCBI Accession #	NP_001308028.1
NCBI GenBank Nucleotide #	NM_001321099.1
UniProt Accession #	Q75T13; Q4G0R8; Q4ZG47; Q53SM0; Q6AW92; Q6UWV4; Q9HA24
Molecular Weight	Calculated: 105383
NCBI Official Full Name	GPI inositol-deacylase isoform 2
NCBI Official Synonym Full Names	post-GPI attachment to proteins 1
NCBI Official Symbol	PGAP1
NCBI Official Synonym Symbols	Bst1; MRT42; SPG67; ISPD3024
NCBI Protein Information	GPI inositol-deacylase
UniProt Protein Name	GPI inositol-deacylase
UniProt Gene Name	PGAP1
UniProt Synonym Gene Names	hPGAP1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pgap1-antibody-immunofluorescence-flow-cytometry-western-blot-elisa/290847>