

PGAP3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP13237c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q96FM1
Other Accession	A2A559 , A2V7M9 , A7YWP2 , NP_219487.3
Reactivity	Human
Predicted	Bovine, Hamster, Mouse, Rat, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33104
Calculated MW	36475
Antigen Region	141-169

Additional Information

Gene ID	93210
Other Names	Post-GPI attachment to proteins factor 3, COS16 homolog, hCOS16, Gene coamplified with ERBB2 protein, PER1-like domain-containing protein 1, PGAP3, CAB2, PERLD1
Target/Specificity	This PGAP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 141-169 amino acids from the Central region of human PGAP3.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	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.
Storage	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.
Precautions	PGAP3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PGAP3 (HGNC:23719)
Synonyms	CAB2, PERLD1

Function	Involved in the fatty acid remodeling steps of GPI-anchor maturation where the unsaturated acyl chain at sn-2 of inositol phosphate is replaced by a saturated stearyl chain (PubMed: 17021251 , PubMed: 24439110). May catalyze the first step of the fatty acid remodeling, by removing the unsaturated acyl chain at sn-2 of inositol phosphate, generating a lyso-GPI intermediate (Probable). The fatty acid remodeling steps is critical for the integration of GPI-APs into lipid rafts (By similarity).
Cellular Location	Golgi apparatus membrane; Multi-pass membrane protein
Tissue Location	Ubiquitously expressed, with highest levels in thyroid and placenta.

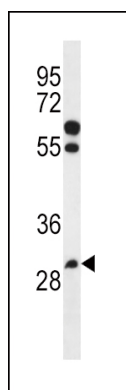
Background

PGAP3 is involved in the lipid remodeling steps of GPI-anchor maturation. Lipid remodeling steps consist in the generation of 2 saturated fatty chains at the sn-2 position of GPI-anchors proteins. Required for phospholipase A2 activity that removes an acyl-chain at the sn-2 position of GPI-anchors during the remodeling of GPI (Probable).

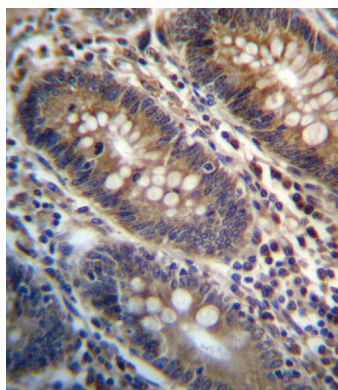
References

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Images



PGAP3 Antibody (Center) (Cat. #AP13237c) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the PGAP3 antibody detected the PGAP3 protein (arrow).



PGAP3 Antibody (Center) (Cat. #AP13237c) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PGAP3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.