

GPLD1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16918c**Specification**

GPLD1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P80108
Other Accession	NP_803436.1 , NP_001494.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	92336
Antigen Region	278-306

GPLD1 Antibody (Center) - Additional Information**Gene ID** 2822**Other Names**

Phosphatidylinositol-glycan-specific phospholipase D, PI-G PLD, Glycoprotein phospholipase D, Glycosyl-phosphatidylinositol-specific phospholipase D, GPI-PLD, GPI-specific phospholipase D, GPLD1, PIGPLD1

Target/Specificity

This GPLD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 278-306 amino acids from the Central region of human GPLD1.

Dilution

WB~~1:1000

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

GPLD1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GPLD1 Antibody (Center) - Protein Information**Name** GPLD1

Synonyms PIGPLD1

Function This protein hydrolyzes the inositol phosphate linkage in proteins anchored by phosphatidylinositol glycans (GPI-anchor) thus releasing these proteins from the membrane.

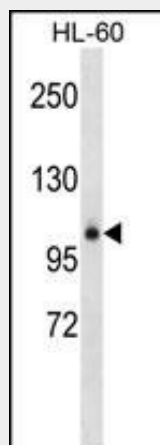
Cellular Location

Secreted.

GPLD1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GPLD1 Antibody (Center) - Images

GPLD1 Antibody (Center) (Cat. #AP16918c) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the GPLD1 antibody detected the GPLD1 protein (arrow).

GPLD1 Antibody (Center) - Background

Many proteins are tethered to the extracellular face of eukaryotic plasma membranes by a glycosylphosphatidylinositol (GPI) anchor. The GPI-anchor is a glycolipid found on many blood cells. The protein encoded by this gene is a GPI degrading enzyme. Glycosylphosphatidylinositol specific phospholipase D1 hydrolyzes the inositol phosphate linkage in proteins anchored by phosphatidylinositol glycans, thereby releasing the attached protein from the plasma membrane.

GPLD1 Antibody (Center) - References

Speliotes, E.K., et al. Hepatology 52(3):904-912(2010)

Tang, J.H., et al. Clin. Biochem. 42 (4-5), 400-407 (2009) :
Yuan, X., et al. Am. J. Hum. Genet. 83(4):520-528(2008)
Wright, M.H., et al. Biochem. Biophys. Res. Commun. 369(2):478-484(2008)
Shi, M., et al. Cancer Lett. 258(2):268-275(2007)