

GPLD1 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2461b**Specification**

GPLD1 Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	P80108
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	92336
Antigen Region	679-709

GPLD1 Antibody (C-term) - 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 679-709 amino acids from the C-terminal region of human GPLD1.

Dilution

WB~~1:1000

IHC-P~~1:50~100

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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 (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GPLD1 Antibody (C-term) - 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.

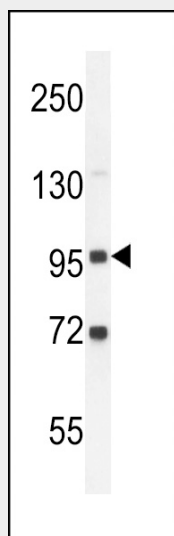
Cellular Location

Secreted.

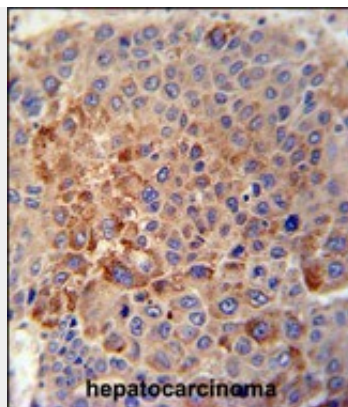
GPLD1 Antibody (C-term) - Protocols

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 (C-term) - Images

GPLD2-R694 (Cat. #AP2461b) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the GPLD2 antibody detected the GPLD2 protein (arrow).



GPLD1 Antibody (C-term)(Cat. #AP2461b) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GPLD1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

GPLD1 Antibody (C-term) - Background

GPLD1 is expressed in numerous tissues and cells and specifically cleaves GPI-anchored proteins. Liver has the highest level of GPI-PLD expression and is the primary organ contributing to GPLD1 in the serum. GPLD1 is abundant in serum in which it associates with polipoproteins AI and AIV. Increased serum GPLD1 is associated with insulin resistance and elevated serum triglycerides. Many surface proteins are attached to eukaryotic cell membranes via glycosylphosphatidylinositol (GPI) anchors that are covalently bound to the C-terminus of the protein and cleavage of the GPI moiety by GPLD1, only enzyme known that cleavage GPI anchor, may represent a means of regulating attachment of these proteins to the cell surface, or alternatively, their release into the extracellular environment.

GPLD1 Antibody (C-term) - References

Tsang, T.C., et al., FASEB J. 6, A1922-A1922 (1992).