

Anti-PLA1A Antibody
Rabbit polyclonal antibody to PLA1A
Catalog # AP60774**Specification**

Anti-PLA1A Antibody - Product Information

| | |
|-------------------|--------------------------|
| Application | WB |
| Primary Accession | Q53H76 |
| Other Accession | Q8VI78 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 49715 |

Anti-PLA1A Antibody - Additional Information**Gene ID** 51365**Other Names**

NMD; PSPLA1; Phospholipase A1 member A; Phosphatidylserine-specific phospholipase A1; PS-PLA1

Target/Specificity

Recognizes endogenous levels of PLA1A protein.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-PLA1A Antibody - Protein Information**Name** PLA1A ([HGNC:17661](#))**Synonyms** NMD, PSPLA1**Function**

Hydrolyzes the ester bond of the acyl group attached at the sn-1 position of phosphatidylserines (phospholipase A1 activity) and 1- acyl-2-lysophosphatidylserines (lysophospholipase activity) in the pathway of phosphatidylserines acyl chain remodeling (PubMed:10196188). Cleaves phosphatidylserines exposed on the outer leaflet of the plasma membrane of apoptotic cells producing 2-acyl-1-lysophosphatidylserines, which in turn enhance mast cell activation and

histamine production (By similarity). Has no activity toward other glycerophospholipids including phosphatidylcholines, phosphatidylethanolamines, phosphatidic acids or phosphatidylinositols, or glycerolipids such as triolein (By similarity).

Cellular Location

Secreted {ECO:0000250|UniProtKB:P97535}.

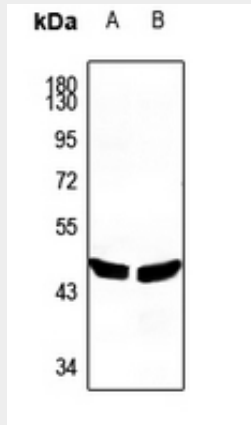
Tissue Location

Widely expressed. Expressed in placenta, prostate and liver. Weakly or not expressed in skin, leukocytes, platelets, colon, spleen, lung, muscle and kidney.

Anti-PLA1A Antibody - 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](#)

Anti-PLA1A Antibody - Images

Western blot analysis of PLA1A expression in mouse liver (A), rat liver (B) whole cell lysates.

Anti-PLA1A Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human PLA1A. The exact sequence is proprietary.