

## PLA2G1B

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**16kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human PLA2G1B

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

PLA2; PLA2A; PPLA2;

**Catalog #:**A5478

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**5319

**Isotype:**IgG

**Swiss Prot:**P04054

**Purity:**Affinity purification

For research use only.

**Background:**

This gene encodes a secreted member of the phospholipase A2 (PLA2) class of enzymes, which is produced by the pancreatic acinar cells. The encoded calcium-dependent enzyme catalyzes the hydrolysis of the sn-2 position of membrane glycerophospholipids to release arachidonic acid (AA) and lysophospholipids. AA is subsequently converted by downstream metabolic enzymes to several bioactive lipophilic compounds (eicosanoids), including prostaglandins (PGs) and leukotrienes (LTs). The enzyme may be involved in several physiological processes including cell contraction, cell proliferation and pathological response.

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