

## **Product datasheet for TA362532**

### OriGene Technologies, Inc.

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# Phospholipase A2 (PLA2G4A) Rabbit Polyclonal Antibody

#### **Product data:**

Clonality:

**Product Type: Primary Antibodies** 

**Applications:** WB

Reactivity: Human Host: Rabbit

The immunogen is a synthetic peptide directed towards the middle region of human Immunogen:

PLA2G4A

Polyclonal

Specificity: **Expected reactivity**: Human

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

**Purification:** Affinity purified Conjugation: Unconjugated

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Stability: Shelf life: one year from despatch.

**Predicted Protein Size:** 82 kDa

Gene Name: phospholipase A2 group IVA

Database Link: NP 001298122.1

Entrez Gene 5321 Human

P47712





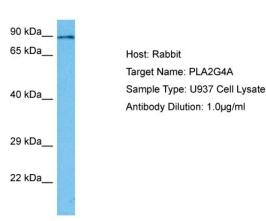
#### Background:

This gene encodes a member of the cytosolic phospholipase A2 group IV family. The enzyme catalyzes the hydrolysis of membrane phospholipids to release arachidonic acid which is subsequently metabolized into eicosanoids. Eicosanoids, including prostaglandins and leukotrienes, are lipid-based cellular hormones that regulate hemodynamics, inflammatory responses, and other intracellular pathways. The hydrolysis reaction also produces lysophospholipids that are converted into platelet-activating factor. The enzyme is activated by increased intracellular Ca(2+) levels and phosphorylation, resulting in its translocation from the cytosol and nucleus to perinuclear membrane vesicles. Alternative splicing results in multiple transcript variants.

Synonyms:

CPLA2; cPLA2-alpha; lysophospholipase; MGC126350; PLA2G4

### **Product images:**



Host: Rabbit

Target Name: PLA2G4A

Sample Tissue: Human U937 Whole Cell lysates

Antibody Dilution: 1ug/ml