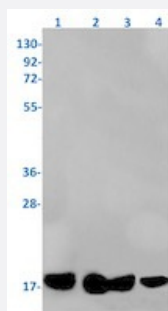


RecomAb™

PLA2G2A recombinant monoclonal antibody, clone R09-4F9

Catalog # RAB01922 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: K562, Lane 2: C6, Lane 3: 3T3 and Lane 4: Hela lysates with PLA2G2A recombinant monoclonal antibody, clone R09-4F9 (Cat # RAB01922).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PLA2G2A.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PLA2G2A.
Theoretical MW (kDa)	Calculated MW: 16 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at -20 °C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: K562, Lane 2: C6, Lane 3: 3T3 and Lane 4: Hela lysates with PLA2G2A recombinant monoclonal antibody, clone R09-4F9 (Cat # RAB01922).

Gene Info — PLA2G2A

Entrez GeneID[5320](#)**Protein Accession#**[P14555](#)**Gene Name**

PLA2G2A

Gene Alias

MOM1, PLA2, PLA2B, PLA2L, PLA2S, PLAS1, sPLA2

Gene Description

phospholipase A2, group IIA (platelets, synovial fluid)

Omim ID[114500 172411](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a member of the phospholipase A2 family (PLA2). PLA2s constitute a diverse family of enzymes with respect to sequence, function, localization, and divalent cation requirements. This gene product belongs to group II, which contains secreted form of PLA2, an extracellular enzyme that has a low molecular mass and requires calcium ions for catalysis. It catalyzes the hydrolysis of the sn-2 fatty acid acyl ester bond of phosphoglycerides, releasing free fatty acids and lysophospholipids, and thought to participate in the regulation of the phospholipid metabolism in biomembranes. Several alternatively spliced transcript variants with different 5' UTRs have been found for this gene

Other Designations

OTTHUMP00000002786|phosphatidylcholine 2-acylhydrolase|phospholipase A2, group IIA|synovial phospholipase-A2

Pathway

- [alpha-Linolenic acid metabolism](#)

- [Arachidonic acid metabolism](#)
- [Ether lipid metabolism](#)
- [Fc epsilon RI signaling pathway](#)
- [Glycerophospholipid metabolism](#)
- [GnRH signaling pathway](#)
- [Linoleic acid metabolism](#)
- [Long-term depression](#)
- [MAPK signaling pathway](#)
- [Metabolic pathways](#)
- [Vascular smooth muscle contraction](#)
- [VEGF signaling pathway](#)

Disease

- [Adenoma](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Lung Neoplasms](#)
- [Pulmonary Disease](#)
- [Schizophrenia](#)

- [Sepsis](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)