

DNAxPAb

Hard-to-Find
Antibody

PLA2G2A DNAxPab

Catalog # H00005320-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PLA2G2A DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MKTLLLLAVIMIFGLLQAHGNNLVNFHRMIKLTGKEAALSYGFYGCCHCGVGGRGSPKDATDRCCVT HDCCYKRLEKRGCGTKFLSYKFSNSGSRITCAKQDSCRSQLECDKAAATCSARNKTTYNNKKYQ YYSNKHCRGSTPRC
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — PLA2G2A

Entrez GeneID [5320](#)

GeneBank Accession# [BC005919.1](#)

Protein Accession# [AAH05919.1](#)

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](#)