

DNAxPAb

Hard-to-Find
Antibody

PLA2G5 DNAxPab

Catalog # H00005322-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PLA2G5 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MKGLLPLAWFLACSVPAVQGGLLDLKSMIEKVTGKNALTNYGFYGCYCGWGGRGTPKDGTDWC CWAHDHCYGRLEEKGCNIRTQSYKYRFAWGVVTCEPGPFCHVNLCACDRKL VYCLKRNLRSYN PQYQYFPNILCS
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 — PLA2G5

Entrez GeneID [5322](#)

GeneBank Accession# [NM_000929.1](#)

Protein Accession# [NP_000920.1](#)

Gene Name PLA2G5

Gene Alias DKFZp686C2294, GV-PLA2, MGC46205, PLA2-10, hVPLA(2)

Gene Description phospholipase A2, group V

Omim ID [601192](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a member of the secretory phospholipase A2 family. It is located in a tightly-linked cluster of secretory phospholipase A2 genes on chromosome 1. The encoded enzyme catalyzes the hydrolysis of membrane phospholipids to generate lysophospholipids and free fatty acids including arachidonic acid. It preferentially hydrolyzes linoleoyl-containing phosphatidylcholine substrates. Secretion of this enzyme is thought to induce inflammatory responses in neighboring cells. Alternatively spliced transcript variants have been found, but their full-length nature has not been determined. [provided by RefSeq]

Other Designations Ca2+-dependent phospholipase A2|OTTHUMP00000002785|OTTHUMP00000044655|phosphatidylcholine 2-acylhydrolase

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

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)