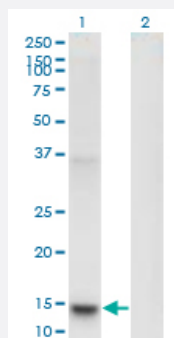


PLA2G1B monoclonal antibody (M14), clone 2B7

Catalog # H00005319-M14

Size 100 ug

Applications

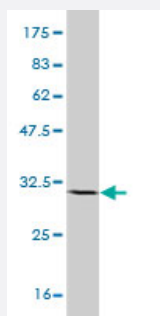


Western Blot (Transfected lysate)

Western Blot analysis of PLA2G1B expression in transfected 293T cell line by PLA2G1B monoclonal antibody (M14), clone 2B7.

Lane 1: PLA2G1B transfected lysate (Predicted MW: 16.4 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (31.68 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant PLA2G1B.
Immunogen	PLA2G1B (AAH05386, 17 a.a. ~ 70 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SGISPRAVWQFRKMIKCVIPGSDPFLEYNNYGCYCYGLGSGTPVDELDKQKQRV
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (31.68 KDa) .

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)

Western Blot analysis of PLA2G1B expression in transfected 293T cell line by PLA2G1B monoclonal antibody (M14), clone 2B7.

Lane 1: PLA2G1B transfected lysate (Predicted MW: 16.4 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PLA2G1B

Entrez GeneID

[5319](#)

GeneBank Accession#

[BC005386](#)

Protein Accession#

[AAH05386](#)

Gene Name

PLA2G1B

Gene Alias

MGC119834, MGC119835, PLA2, PLA2A, PPLA2

Gene Description

phospholipase A2, group IB (pancreas)

Omim ID

[172410](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

Phospholipase A2 (EC 3.1.1.4) catalyzes the release of fatty acids from glycerol-3-phosphocholines. The best known varieties are the digestive enzymes secreted as zymogens by the pancreas of mammals. Sequences of pancreatic PLA2 enzymes from a variety of mammals have been reported. One striking feature of these enzymes is their close homology to venom phospholipases of snakes. Other forms of PLA2 have been isolated from brain, liver, lung, spleen, intestine, macrophages, leukocytes, erythrocytes, inflammatory exudates, chondrocytes, and platelets (Seilhamer et al., 1986 [PubMed 3028739]). [supplied by OMIM]

Other Designations

phospholipase A2, group IB

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](#)
- [Schizophrenia](#)