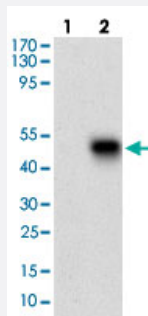


PLA2G12A monoclonal antibody, clone 3H2C11

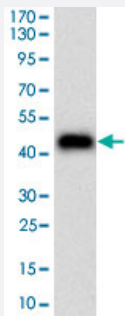
Catalog # MAB12250 Size 100 ug

Applications



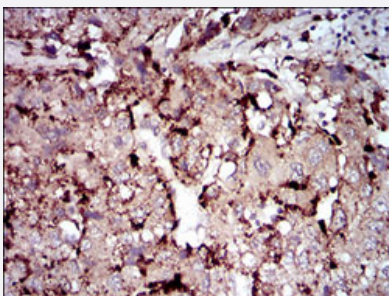
Western Blot (Transfected lysate)

Western blot analysis of Lane 1: Negative control [HEK293 cell lysate]; Lane 2: Over-expression lysate [PLA2G12A (AA: 21-189)-hlgGfc transfected HEK293 cells] with PLA2G12A monoclonal antibody, clone 3H2C11 (Cat# MAB12250) at 1:500-1:2000 dilution.



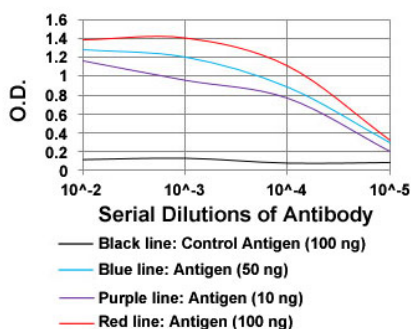
Western Blot (Recombinant protein)

Western blot analysis of human PLA2G12A (AA: 21-189) recombinant protein (Expected MW is 44.5 kDa) with PLA2G12A monoclonal antibody, clone 3H2C11 (Cat# MAB12250) at 1:500-1:2000 dilution.



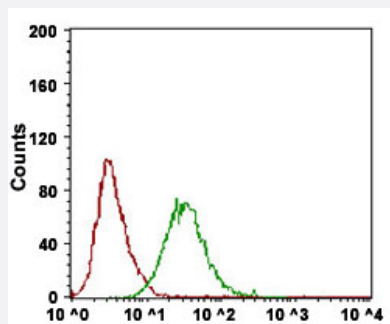
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human liver cancer tissues with PLA2G12A monoclonal antibody, clone 3H2C11 (Cat# MAB12250) at 1:200-1:1000 dilution.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of PLA2G12A monoclonal antibody, clone 3H2C11 (Cat# MAB12250) at 1:10000 dilution.



Flow Cytometry

Flow cytometric analysis of Hela cells with PLA2G12A monoclonal antibody, clone 3H2C11 (Cat# MAB12250) at 1:200-1:400 dilution (Green) and negative control (Red).

Specification

Product Description Mouse monoclonal antibody raised against partial recombinant human PLA2G12A.

Immunogen Recombinant protein corresponding to amino acids 21-189 of human PLA2G12A.

Host Mouse

Theoretical MW (kDa) 21

Reactivity Human

Form Liquid

Isotype IgG1

Recommend Usage
 ELISA (1:10000)
 Flow Cytometry (1:200-1:400)
 Immunohistochemistry (1:200-1:1000)
 Western Blot (1:500-1:2000)
 The optimal working dilution should be determined by the end user.

Storage Buffer In PBS (0.05% sodium azide)

Storage Instruction
 Store at 4°C. For long term storage 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 (Transfected lysate)

Western blot analysis of Lane 1: Negative control [HEK293 cell lysate]; Lane 2: Over-expression lysate [PLA2G12A (AA: 21-189)-hlgGfc transfected HEK293 cells] with PLA2G12A monoclonal antibody, clone 3H2C11 (Cat# MAB12250) at 1:500-1:2000 dilution.

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ELISA analysis of PLA2G12A monoclonal antibody, clone 3H2C11 (Cat# MAB12250) at 1:10000 dilution.

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Flow cytometric analysis of Hela cells with PLA2G12A monoclonal antibody, clone 3H2C11 (Cat# MAB12250) at 1:200-1:400 dilution (Green) and negative control (Red).

Gene Info — PLA2G12A

Entrez GeneID [81579](#)

Gene Name PLA2G12A

Gene Alias GXII, PLA2G12, ROSSY

Gene Description phospholipase A2, group XIA

Omim ID [611652](#)

Gene Ontology [Hyperlink](#)

Gene Summary Secreted phospholipase A2 (sPLA2) enzymes liberate arachidonic acid from phospholipids for production of eicosanoids and exert a variety of physiologic and pathologic effects. Group XII sPLA2s, such as PLA2G12A, have relatively low specific activity and are structurally and functionally distinct from other sPLA2s (Gelb et al., 2000 [PubMed 11031251]).[supplied by OMIM]

Other Designations group XII secreted phospholipase A2|group XIA secreted 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

- [Alcoholism](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Occupational Diseases](#)