

Anti-PLA2G12A Antibody [C11-H2]

EM1706-96



Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human
Applications:	IHC-P, FC
Molecular Wt:	21 kDa
Clone number:	C11-H2

Description: Secreted phospholipases A2 (sPLA2s) form a large family of structurally related enzymes, which are widespread in nature. Snake venoms have been known for decades to contain a tremendous molecular diversity of sPLA2s, which can exert a myriad of toxic and pharmacological effects. Secreted phospholipase A2 enzymes liberate arachidonic acid from phospholipids for production of eicosanoids and exert a variety of physiologic and pathologic effects. Group XII sPLA2s, such as group XIIA sPLA2, have relatively low specific activity and are structurally and functionally distinct from other sPLA2s. Group XIIA sPLA2, also known as GXII, ROSSY, PLA2G12 or PLA2G12A, is a 189 amino acid secreted protein that localizes to the cytoplasm. Belonging to the phospholipase A2 family, group XIIA sPLA2 is abundantly expressed in heart, skeletal muscle, kidney, liver and pancreas

Immunogen: Purified recombinant fragment of human PLA2G12A (AA: 21-189) expressed in E. Coli.

Positive control: Human PLA2G12A recombinant protein, PLA2G12A-hlgGfC transfected HEK293 cell lysate, human liver tissue, Hela.

Subcellular location: Secreted. Cytoplasm

Database links: SwissProt: Q9BZM1 Human

Recommended Dilutions:

IHC-P	1:200-1:1,000
FC	1:200-1:400

Storage Buffer: Purified antibody in PBS with 0.05% sodium azide.

Storage Instruction: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Images

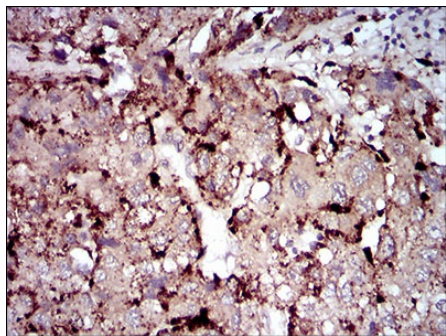


Fig1: Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-PLA2G12A antibody. Counter stained with hematoxylin.

Note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.

Background References

1. Murakami M et al. Cellular arachidonate-releasing function of novel classes of secretory phospholipase A2s (groups III and XII). *J Biol Chem.* 2003 Mar 21;278(12):10657-67.
2. Rouault M et al. Novel mammalian group XII secreted phospholipase A2 lacking enzymatic activity. *Biochemistry.* 2003 Oct 7;42(39):11494-503.

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