

PLA2G2D polyclonal antibody

Catalog: BS8359

Host: Rabbit

Reactivity: Human

BackGround:

Phospholipase A2s (PLA2s) constitute a family of esterases that hydrolyze the sn-2-acyl ester bond in glycerophospholipid molecules. These enzymes are generally calcium-dependent and have been found both intra- and extracellularly. By hydrolyzing the sn-2 bond in glycerophospholipids, PLA2s release fatty acids. One such fatty acid, arachidonic acid, generates the substrates for the initiation of the arachidonic acid cascade that produces various eicosanoids, many of which are potent mediators of inflammation. As a member of the PLA2 family, group IID sPLA2, also known as PLA2G2D (phosphatidylcholine 2-acylhydrolase 2D), sPLA2-IIID or SPLASH, is a 145 amino acid secreted protein that is broadly expressed but found at highest levels in pancreas and spleen. Group IID sPLA2 catalyzes the reaction of phosphatidylcholine and water into 1-acylglycerophosphocholine and carboxylate, and has been linked to body weight loss in patients with chronic obstructive pulmonary disease (COPD), as well as lymphotoxin deficiency.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 17 kDa

Swiss-Prot:

Q9UNK4

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF/ICC: 1:50~1:200

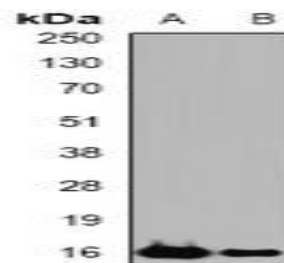
Storage&Stability:

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

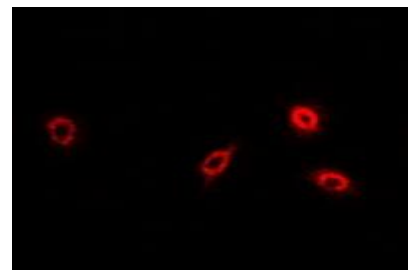
Specificity:

PLA2G2D polyclonal antibody detects endogenous levels of PLA2G2D protein.

DATA:



Western blot analysis of sPLA2-IIID expression in HeLa (A), THP1 (B) whole cell lysates.



Immunofluorescent analysis of sPLA2-IIID staining in U2OS cells.

Note:

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151