Elabscience®

PLA2G16 Polyclonal Antibody

catalog number: E-AB-91401

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human
Immunogen	Recombinant fusion protein of human PLA2G16
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000

Data



Western blot analysis of extracts of various cell lines using

PLA2G16 Polyclonal Antibody at 1:1000 dilution.

Observed-MV:18 kDa Calculated-MV:18 kDa

Preparation & Storage	
Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt, store it immediately at the temperature recommended.

Background

Exhibits both phospholipase A1/2 and acyltransferase activities. Shows phospholipase A1 (PLA1 and A2 (PLA2 activity, catalyzing the calcium-independent release of fatty acids from the sn-1 or sn-2 position of glycerophospholipids. For most substrates, PLA1 activity is much higher than PLA2 activity. Shows O-acyltransferase activity, catalyzing the transfer of a fatty acyl group from glycerophospholipid to the hydroxyl group of lysophospholipid. Shows N-acyltransferase activity, catalyzing the calcium-independent transfer of a fatty acyl group at the sn-1 position of phosphatidylcholine (PC and other glycerophospholipids to the primary amine of phosphatidylethanolamine (PE, forming N-acylphosphatidylethanolamine (NAPE, which serves as precursor for N-acylethanolamines (NAEs. Exhibits high N-acyltransferase activity and low phospholipase A1/2 activity. Required for complete organelle rupture and degradation that occur during eye lens terminal differentiation, when fiber cells that compose the lens degrade all membrane-bound organelles in order to provide lens with transparency to allow the passage of light. Organelle membrane degradation is probably catalyzed by the phospholipase activity (By similarity.