Datasheet for ABIN7267786

anti-PLA2G16 antibody (AA 68-162)

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1 Image

Overview

Quantity:	100 µL
Target:	PLA2G16
Binding Specificity:	AA 68-162
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLA2G16 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	PLA2G16 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 68-162 of human PLA2G16 (NP_009000.2).
Sequence:	VAGSDKYQVN NKHDDKYSPL PCSKIIQRAE ELVGQEVLYK LTSENCEHFV NELRYGVARS DQVRDVIIAA SVAGMGLAAM SLIGVMFSRN KRQKQ
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	PLA2G16
Alternative Name:	PLA2G16 (PLA2G16 Products)
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.,PLA2G16,AdPLA,H-REV107,H-REV107-1,HRASLS3,HREV107,HREV107-1,HREV107-3,HRSL3,Cancer,Tumor suppressors,PLA2G16
Molecular Weight:	18kDa
Gene ID:	11145
UniProt:	P53816
Pathways:	Inositol Metabolic Process

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

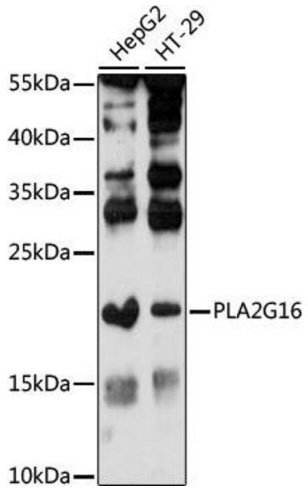
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using PLG16 antibody (ABIN7267786) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Enhanced Kit (RM00021).Exposure time: 90s.