PLA2G4E Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PLA2G4E, Polyclonal Antibody
Full Product Name	PLA2G4E (Cytosolic Phospholipase A2 epsilon, cPLA2-epsilon, Phospholipase A2 group IVE, PLA2G4E) (MaxLight 405)
Product Gene Name	anti-PLA2G4E antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified
Specificity	Recognizes human PLA2G4E.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	97,570 Da
Chromosome Location	Chromosome: 15; NC_000015.9 (42273780..42342901, complement). Location: 15q15.1
3D Structure	ModBase 3D Structure for Q3MJ16
Immunogen	Synthetic peptide corresponding to PLA2G4E.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-PLA2G4E antibody	Antibodies; Enzymes; Phospholipase
Applications Tested/Suitable for anti-PLA2G4E antibody	Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-PLA2G4E antibody	IHC: 1:50-1:100 WB: 1:500-1:1000 Applications are based on unconjugated antibody.
Related Product Information for anti-PLA2G4E antibody	MBS6458191 is an antibody targeting PLA2G4E. Also known as PLA2G4E (Cytosolic Phospholipase A2 epsilon, cPLA2-epsilon, Phospholipase A2 group IVE, PLA2G4E) (MaxLight 405). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-PLA2G4E antibody	1. Ota T., et al. Nat. Genet. 36:40-45(2004).2. Zody M.C., et al. Nature 440:671-675(2006).
Other Notes	Small volumes of anti-PLA2G4E antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLA2G4E. It may not necessarily be applicable to this product.

NCBI GI #	331284217
NCBI GeneID	123745
NCBI Accession #	NP_001193599.1
UniProt Primary Accession #	Q3MJ16
UniProt Secondary Accession #	Q6ZSC0
UniProt Related Accession #	Q3MJ16
GenBank Nucleotide #	NM_001206670.1
NCBI Official Full Name	cytosolic phospholipase A2 epsilon
NCBI Official Synonym Full Names	phospholipase A2, group IVE
NCBI Official Symbol	PLA2G4E
UniProt Protein Name	Cytosolic phospholipase A2 epsilon
UniProt Synonym Protein Names	Phospholipase A2 group IVE
Protein Family	Cytosolic phospholipase
UniProt Gene Name	PLA2G4E
UniProt Synonym Gene Names	cPLA2-epsilon
UniProt Entry Name	PA24E_HUMAN
NCBI Protein Information	cytosolic phospholipase A2 epsilon; cPLA2-epsilon
UniProt Comments for PLA2G4E	PLA2G4E: a calcium-dependent phospholipase A2 that catalyzes the release of arachidonic acid from membrane phospholipids. Selectively hydrolyzes glycerophospholipids in the sn-2 position. Translocates to lysosomal membranes in a calcium-dependent fashion. The N-terminal C2 domain associates with lipid membranes and mediates its regulation by presenting the active site to its substrate in response to elevations of cytosolic Ca2+. Two isoforms of the human protein are produced by alternative splicing. Protein type: Lipid Metabolism - alpha-linolenic acid; Lipid Metabolism - glycerophospholipid; Phospholipase; Lipid Metabolism - linoleic acid; EC 3.1.1.4; Lipid Metabolism - ether lipid; Lipid Metabolism - arachidonic acid Chromosomal Location of Human Ortholog: 15q15.1 Cellular Component: lysosomal membrane; cytosol Molecular Function: phospholipase A2 activity; metal ion binding Biological Process: phospholipid catabolic process; phospholipid metabolic process; glycerophospholipid biosynthetic process
Research Articles on PLA2G4E	**1.** Observational study of gene-disease association, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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