Phospholipase C Beta 2 (PLCb2) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Phospholipase C Beta 2 (PLCb2), Polyclonal Antibody
Full Product Name	PE-Linked Polyclonal Antibody to Phospholipase C Beta 2 (PLCb2)
Product Gene Name	anti-PLCb2 antibody
Product Synonym Names	Phosphoinositide phospholipase C-beta-2; 1-phosphatidylinositol 4, 5-bisphosphate phosphodiesterase beta-2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Rat, Human, Mouse
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: PLCb2 (MBS2033965) PE Conjugated Antibody: PLCb2 (MBS2073138)
Matching Pairs	PE Conjugated Antibody: PLCb2 (MBS2073138) Immunogen: PLCb2 (MBS2034190)
Molecular Weight	132,511 Da
OMIM	M95678 mRNA
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	PLCb2 (Met1~Arg250)
Conjugation	PE
Cross Reactivity	Rat
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2033965
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-PLCb2 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-PLCb2 antibody	MBS2073138 is an antibody targeting PLCb2. Also known as PE-Linked Polyclonal Antibody to Phospholipase C Beta 2 (PLCb2). Reactive in Rat, Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-PLCb2 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 PLCb2. It may not necessarily be applicable to this product.

NCBI GI #	190040
NCBI GeneID	5330
NCBI Accession #	AAA36453.1
UniProt Secondary Accession #	A8K6J2; B9EGH5

UniProt Related Accession #	Q00722
NCBI Official Full Name	phospholipase C-beta-2
NCBI Official Synonym Full Names	phospholipase C beta 2
NCBI Official Symbol	PLCB2
NCBI Official Synonym Symbols	PLC-beta-2
UniProt Protein Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-2
UniProt Synonym Protein Names	Phosphoinositide phospholipase C-beta-2; Phospholipase C-beta-2; PLC-beta-2
Protein Family	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase
UniProt Gene Name	PLCB2
UniProt Synonym Gene Names	PLC-beta-2
NCBI Protein Information	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-2
NCBI Summary for PLCb2	The protein encoded by this gene is a phosphodiesterase that catalyzes the hydrolysis of phosphatidylinositol 4,5-bisphosphate to the second messengers inositol 1,4,5-trisphosphate (IP3) and diacylglycerol. The encoded protein is activated by G proteins and has been shown to be involved in the type 2 taste receptor signal transduction pathway. In addition, nuclear factor kappa B can regulate the transcription of this gene, whose protein product is also an important regulator of platelet responses. [provided by RefSeq, Jan 2017]
UniProt Comments for PLCb2	PLCB2: The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Carbohydrate Metabolism - inositol phosphate; EC 3.1.4.11; Phospholipase Chromosomal Location of Human Ortholog: 15q15.1 Cellular Component: cytosol Molecular Function: phosphoinositide phospholipase C activity; phospholipase C activity Biological Process: inositol phosphate metabolic process; phospholipase C activation; phospholipid metabolic process; Wnt receptor signaling pathway, calcium modulating pathway
Research Articles on PLCb2	**1.** Gnb isoforms control a signaling pathway comprising Rac1, Plcbeta2, and Plcbeta3 leading to LFA-1 activation and neutrophil arrest in vivo
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