

Rabbit anti-Human PLCB2 Polyclonal Antibody | anti-PLCB2 antibody

PLCB2 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288767	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

PLCB2; Polyclonal Antibody; PLCB2 Antibody (N-term); 1-phosphatidylinositol 4; 5-bisphosphate phosphodiesterase beta-2; Phosphoinositide phospholipase C-beta-2; Phospholipase C-beta-2; PLC-beta-2; anti-PLCB2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PLCB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 174-202 amino acids from the N-terminal region of human PLCB2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	174-202
Sequence Length	1185
Applicable Applications for anti-PLCB2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

PLCB2 Antibody (N-term) flow cytometric analysis of k562 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human brain tissue reacted with PLCB2 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of PLCB2 Antibody (N-term) in K562 cell line lysates (35ug/lane).
PLCB2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PLCB2 antibody	PLCB2 is 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.
Product Categories/Family for anti-PLCB2 antibody	Signal Transduction
References	Grinberg,S., et.al., Am. J. Pathol. 175 (6), 2439-2453 (2009) Xiao,W., et.al., Cancer Cell 16 (2), 161-171 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	95147333
NCBI GeneID	5330
NCBI Accession #	NP_004564.2
NCBI GenBank Nucleotide #	NM_004573.2
UniProt Accession #	Q00722 ; A8K6J2 ; B9EGH5
Molecular Weight	134024
NCBI Official Full Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-2 isoform 1
NCBI Official Synonym Full Names	phospholipase C, beta 2
NCBI Official Symbol	PLCB2
NCBI Official Synonym Symbols	PLC-beta-2
NCBI Protein Information	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-2
UniProt Protein Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-2
UniProt Gene Name	PLCB2
UniProt Synonym Gene Names	PLC-beta-2
UniProt Entry Name	PLCB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/plcb2-antibody-immunohistochemistry-western-blot-flow-cytometry-elisa/288767>