

Rabbit PLCbeta3 Polyclonal Antibody | anti-PLCbeta3 antibody

PLCbeta3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329557	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (91%), Bovine (82%), Horse (91%), Sheep (82%), Dog (82%)	ELISA, Western Blot

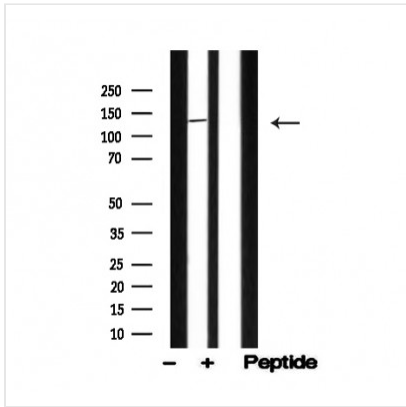
PRODUCT SYNONYMS

PLCbeta3; Polyclonal Antibody; PLCbeta3 Antibody; 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta 3; 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-3; Phosphoinositide phospholipase C; Phosphoinositide phospholipase C-beta-3; Phospholipase C beta 3; Phospholipase C beta 3 (phosphatidylinositol specific); Phospholipase C-beta-3; PLC beta 3; PLC-beta-3; Plcb3; PLCB3_HUMAN; anti-PLCbeta3 antibody

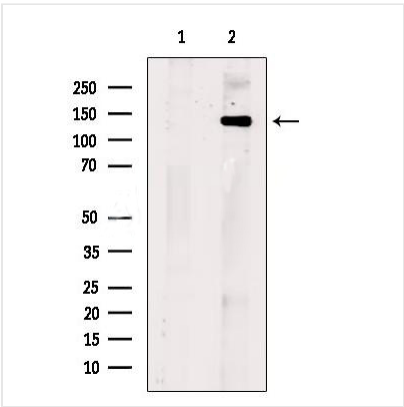
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (91%), Bovine (82%), Horse (91%), Sheep (82%), Dog (82%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	PLCbeta3 Antibody detects endogenous levels of total PLCbeta3.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PLCbeta3 antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PLCbeta3, corresponding to a region within the internal amino acids.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Interacts with SHANK2 (By similarity). Interacts with LPAR2.
Subcellular Location	Membrane>Peripheral membrane protein.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of PLCbeta3 in lysates of A431, using PLCbeta3 Antibody(AF4754).



WB (Western Blot)
Western blot analysis of extracts from MDA-MB-231 cells, using PLCbeta3 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PLCbeta3 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11386139
NCBI GeneID	5331
NCBI Accession #	NP_000923.1
NCBI GenBank Nucleotide #	NM_000932.2
UniProt Accession #	Q01970; Q8N1A4; A5PKZ6; G5E960
Molecular Weight	138,799 Da
NCBI Official Full Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3 isoform 1
NCBI Official Synonym Full Names	phospholipase C, beta 3 (phosphatidylinositol-specific)
NCBI Official Symbol	PLCB3
NCBI Protein Information	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3; PLC beta 3; PLC-beta-3; phosphoinositide phospholipase C-beta-3
UniProt Protein Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3
UniProt Gene Name	PLCB3
UniProt Synonym Gene Names	PLC-beta-3
UniProt Entry Name	PLCB3_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.