

Rabbit PLCbeta3 Polyclonal Antibody | anti-PLCbeta3 antibody

Phospho-PLCbeta3 (Ser537) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329469	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (91%), Bovine (82%), Horse (91%), Sheep (82%), Dog (82%)	ELISA, Immunohistochemistry, Western Blot

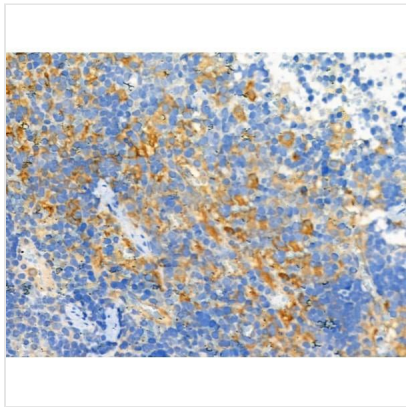
PRODUCT SYNONYMS

PLCbeta3; Polyclonal Antibody; Phospho-PLCbeta3 (Ser537) 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

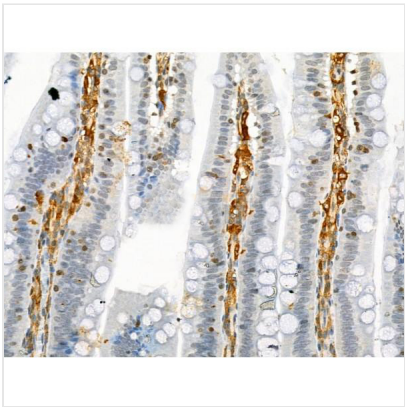
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (91%), Bovine (82%), Horse (91%), Sheep (82%), Dog (82%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-PLCbeta3 (Ser537) Antibody detects endogenous levels of PLCbeta3 only when phosphorylated at Ser537.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
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), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PLCbeta3 around the phosphorylation site of Ser537.
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.

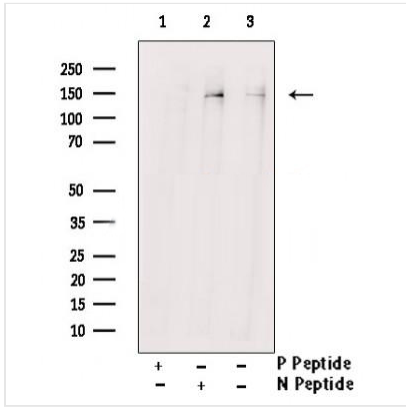
IMAGES



IHC (Immunohistochemistry)
At 1/100 staining Rat spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
Staining Rat colorectal tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from A431, using Phospho-PLCbeta3 (Ser537) Antibody. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/plcbeta3-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/329469>