

Rabbit PLCE1 Polyclonal Antibody | anti-PLCE1 antibody

PLCE1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323490	Rabbit	Human, Mouse, Rat, Monkey	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

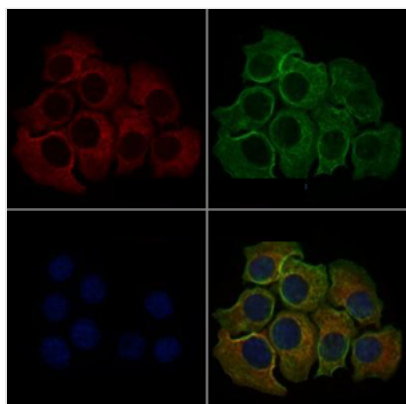
PRODUCT SYNONYMS

PLCE1; Polyclonal Antibody; PLCE1 Antibody; 1-phosphatidylinositol-4; 5-bisphosphate phosphodiesterase epsilon-1; Pancreas-enriched phospholipase C; Phosphoinositide phospholipase C-epsilon-1; Phospholipase C-epsilon-1; PLC-epsilon-1; Plce1; PLCE1_HUMAN; anti-PLCE1 antibody

PRODUCT SPECIFICATIONS

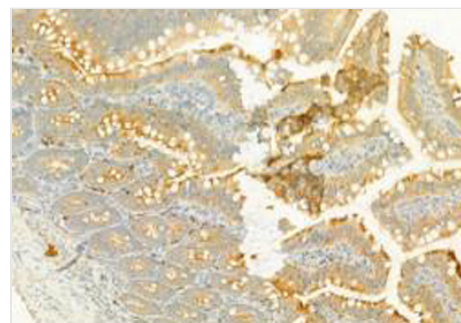
Host	Rabbit
Reactivity	Human, Mouse, Rat, Monkey
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	1994
Applicable Applications for anti-PLCE1 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PLCE1, corresponding to a region within C-terminal amino acids
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



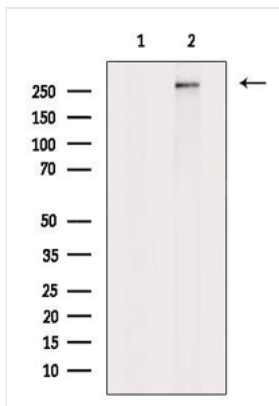
IF (Immunofluorescence)

AAA323490 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab (AAA323490 1:200) and mouse anti-beta tubulin Ab (1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab. The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry)

AAA323490 at 1/100 staining Rat colon 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 Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.



WB (Western Blot)

Western blot analysis of extracts from VERO cells, using PLCE1 Ab. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PLCE1 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. PLCE1 is a bifunctional enzyme which also regulates small GTPases of the Ras superfamily through its Ras guanine-exchange factor (RasGEF) activity. As an effector of heterotrimeric and small G-protein, it may play a role in cell survival, cell growth, actin organization and T-cell activation.

NCBI AND UNIPROT INFORMATION

NCBI GI #	260166694
NCBI GeneID	51196
NCBI Accession #	NP_001159451.1
NCBI GenBank Nucleotide #	NM_001165979.2
UniProt Accession #	Q9P212; Q1X6H8; Q5VWL4; Q5VWL5; Q9H9X8; Q9HBX6; Q9HC53; A6NGW0; A6NLA1; A7MBN7; A8K1D7; B9EIJ6
Molecular Weight	258 kDa
NCBI Official Full Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase epsilon-1 isoform 2
NCBI Official Synonym Full Names	phospholipase C epsilon 1
NCBI Official Symbol	PLCE1
NCBI Official Synonym Symbols	PLCE; PPLC; NPHS3
NCBI Protein Information	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase epsilon-1
UniProt Protein Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase epsilon-1
UniProt Gene Name	PLCE1
UniProt Synonym Gene Names	KIAA1516; PLCE; PPLC; PLC-epsilon-1

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/plce1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/323490>