

Rabbit anti-Human 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-4 Polyclonal Antibody | anti-PLCD4 antibody

Rabbit anti-human 1-phosphatidylinositol 4, 5-bisphosphate phosphodiesterase delta-4 polyclonal Antibody(PLCD4)

CATALOG # AAA119003	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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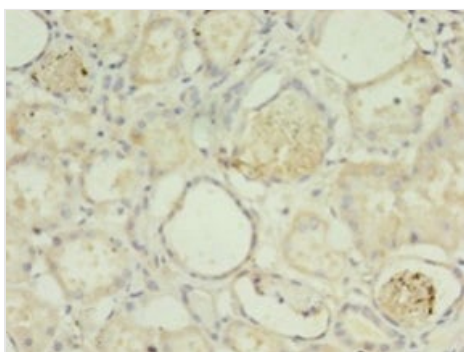
PRODUCT SYNONYMS

1-phosphatidylinositol 4; 5-bisphosphate phosphodiesterase delta-4; Polyclonal Antibody; Rabbit anti-human 1-phosphatidylinositol 4; 5-bisphosphate phosphodiesterase delta-4 polyclonal Antibody(PLCD4); hPLCD4; Phosphoinositide phospholipase C-delta-4; Phospholipase C-delta-4; PLC-delta-4; PLCD4; anti-PLCD4 antibody

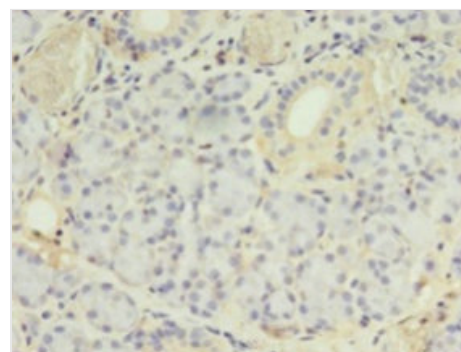
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation Purified
Sequence Length	762
Applicable Applications for anti-PLCD4 antibody	IHC (Immunohistochemistry), ELISA
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant human 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-4 protein(1-762AA)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-30830 / sc-30063
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human kidney tissue using AAA119003 at dilution 1:100



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human pancreas tissue using AAA119003 at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-PLCD4 antibody	Hydrolyzes the phosphatidylinositol 4,5-bisphosphate (PIP2) to generate 2 second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3). DAG mediates the activation of protein kinase C (PKC), while IP3 releases Ca2+ from intracellular stores. Required for acrosome reaction in sperm during fertilization, probably by acting as an important enzyme for intracellular Ca2+ mobilization in the zona pellucida-induced acrosome reaction. May play a role in cell growth. Modulates the liver regeneration in cooperation with nuclear PKC. Overexpression up-regulates the Erk signaling pathway and proliferation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14249340
NCBI GeneID	84812
NCBI Accession #	NP_116115.1
NCBI GenBank Nucleotide #	NM_032726.3
UniProt Accession #	Q9BRC7; Q53FS8
Molecular Weight	31,448 Da
NCBI Official Full Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-4
NCBI Official Synonym Full Names	phospholipase C delta 4
NCBI Official Symbol	PLCD4
NCBI Protein Information	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-4
UniProt Protein Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-4
UniProt Gene Name	PLCD4
UniProt Synonym Gene Names	hPLCD4; PLC-delta-4
UniProt Entry Name	PLCD4_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/1-phosphatidylinositol-4-5-bisphosphate-phosphodiesterase-delta-4-antibody-immunohistochemistry-elisa/119003>