

Rabbit anti-Human PLCD4 Polyclonal Antibody | anti-PLCD4 antibody

PLCD4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA231230	Rabbit	Human	Immunohistochemistry, ELISA

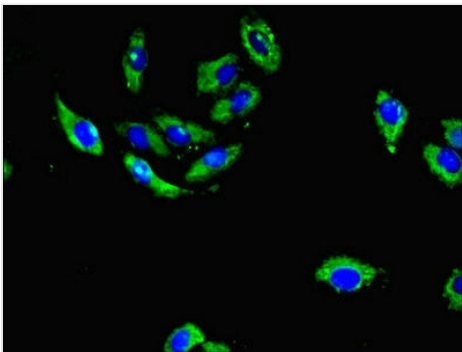
PRODUCT SYNONYMS

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

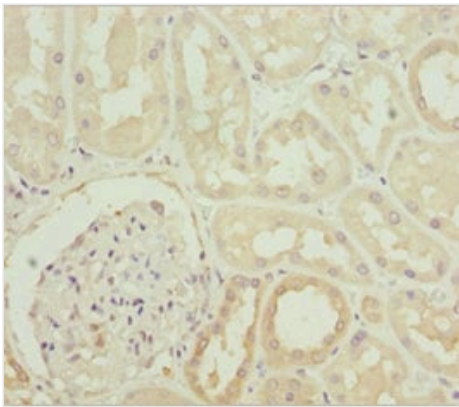
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	762
Applicable Applications for anti-PLCD4 antibody	IHC (Immunohistochemistry), ELISA
Species	Human
Immunogen	Recombinant human 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-4 protein (N-290AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
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



IF (Immunofluorescence)
Immunofluorescent analysis of A549 cells cells using AAA231230 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human kidney tissue using AAA231230 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 Ca(2+) from intracellular stores. Required for acrosome reaction in sperm during fertilization, probably by acting as an important enzyme for intracellular Ca(2+) 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.