

Rabbit anti-Human PLCD1 Polyclonal Antibody | anti-PLCD1 antibody

Anti-PLCD1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256685	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PLCD1; Polyclonal Antibody; Anti-PLCD1 Antibody; Rabbit Polyclonal; PLCD1 Antibody; Rabbit PAb; Antigen Affinity Purified; phospholipase C delta 1; Anti-NDNC3 Antibody; Anti-PLC-III Antibody; anti-PLCD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PLCD1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PLCD1 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human PLCD1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PLCD1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

PLCD1 was immunoprecipitated using: Lane A: 0.5 mg NIH3T3 Whole Cell Lysate, 4 uL anti-PLCD1 rabbit polyclonal antibody and 60 ug of Immnomagnetic beads Protein A/G. Primary antibody: Anti-PLCD1 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 86 kDa. Observed band size: 90 kDa.



IF (Immunofluorescence)

Immunofluorescence staining of PLCD1 in U251MG cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human PLCD1 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus.



IHC (Immunohistochemistry)

Immunochemical staining of human PLCD1 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-PLCD1 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: NIH3T3 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 88 kDa Observed band size: 83 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PLCD1 antibody	Phospholipase C delta1 (PLCD1), is located at the important tumor suppressor locus 3p22. It encodes an enzyme that mediates regulatory signaling of energy metabolism, calcium homeostasis and intracellular movements. PLCD1 has been studied in some human solid tumors relating to the CpG island methylation of the gene promoter as a functional tumor suppressor. Tumor-specific methylation of PLCD1 may serve as a biomarker for possible early detection and prognosis prediction of breast cancer, chronic myeloid leukemia (CML) and colorectal cancer.
References	Xiang T, et al. (2010) Plcd1 is a functional tumor suppressor inducing g(2)/m arrest and frequently methylated in breast cancer. Cancer Biol Ther 10 (5): 520-527. Xiang Q, et al. (2019) The phosphoinositide hydrolase phospholipase c delta1 inhibits epithelial-mesenchymal transition and is silenced in colorectal cancer. J Cell Physiol 234 (8): 13906-13916. Song JJ, et al. (2012) Epigenetic inactivation of plcd1 in chronic myeloid leukemia. Int J Mol Med 30 (1): 179-184.

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/plcd1-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/256685>