



## Rabbit Anti-PLCD1/NDNC3 antibody

SL12714R

<b>Product Name:</b>	PLCD1/NDNC3
<b>Chinese Name:</b>	磷酸肌醇磷脂酶C抗体
<b>Alias:</b>	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta 1; NDNC3; Phosphoinositide phospholipase C; Phosphoinositide phospholipase C delta 1; Phospholipase C delta 1; Phospholipase C III; PLC delta 1; PLC III. PLCD1_HUMAN
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,Guinea Pig,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	86kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human PLCD1/NDNC3:211-310/756
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene encodes a member of the phospholipase C family. Phospholipase C isozymes play critical roles in intracellular signal transduction by catalyzing the hydrolysis of phosphatidylinositol 4,5-bisphosphate (PIP2) into the second messengers diacylglycerol (DAG) and inositol triphosphate (IP3). The encoded protein functions as a tumor suppressor in several types of cancer, and mutations in this gene are a cause of

hereditary leukonychia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]

**Function:**

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. Essential for trophoblast and placental development.

**DISEASE:**

The disease is caused by mutations affecting the gene represented in this entry. Disease description: A nail disorder characterized by a white appearance of the nail plate (true leukonychia), the nail bed (pseudoleukonychia), or neither (apparent leukonychia). Leukonychia may involve all of the nail (leukonychia totalis) or only part of the nail (leukonychia partialis), or can appear as one or more transverse bands (leukonychia striata) or white spots (leukonychia punctata).

**Similarity:**

Contains 1 C2 domain.

Contains 2 EF-hand domains.

Contains 1 PH domain.

Contains 1 PI-PLC X-box domain.

Contains 1 PI-PLC X-box domain.

**SWISS:**

P51178

**Gene ID:**

5333

**Database links:**

[Entrez Gene: 281986](#) Cow

[Entrez Gene: 5333](#) Human

[Entrez Gene: 18799](#) Mouse

[Entrez Gene: 100627099](#) Pig

[Entrez Gene: 24655](#) Rat

[Omir: 602142](#) Human

[SwissProt: P51178](#) Human

[SwissProt: Q8R3B1](#) Mouse

[SwissProt: P10688](#) Rat

[Unigene: 80776](#) Human

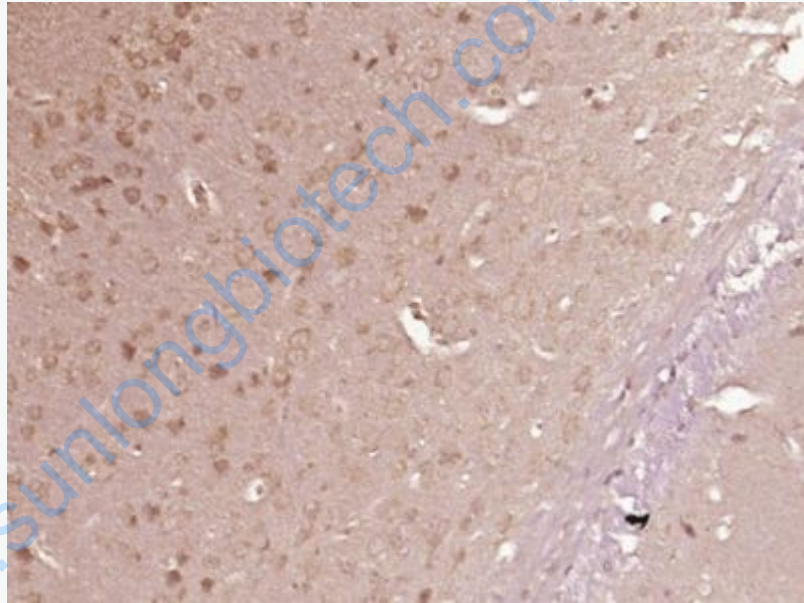
[Unigene: 23963](#) Mouse

[Unigene: 12324](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PLCD1/NDNC3) Polyclonal Antibody, Unconjugated (SL12714R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PLCD1/NDNC3) Polyclonal Antibody, Unconjugated (SL12714R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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