

# PLCD4 Antibody, HRP conjugated



PACO40715

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## Product Information

**Size:**

50ug

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA

**Recommended dilutions:****Protein Background:**

Hydrolyzes the phosphatidylinositol 4,5-bisphosphate (PIP<sub>2</sub>) to generate 2 second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP<sub>3</sub>). DAG mediates the activation of protein kinase C (PKC), while IP<sub>3</sub> releases Ca<sup>2+</sup> from intracellular stores. Required for acrosome reaction in sperm during fertilization, probably by acting as an important enzyme for intracellular Ca<sup>2+</sup> 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.

**Gene ID:**

PLCD4

**Uniprot**

Q9BRC7

**Synonyms:**

1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-4 (hPLCD4) (EC 3.1.4.11) (Phosphoinositide phospholipase C-delta-4) (Phospholipase C-delta-4) (PLC-delta-4), PLCD4

**Immunogen:**

Recombinant Human 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-4 protein (1-762AA).

**Storage:**

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

## Product Images

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N/A

N/A