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Datasheet for ABIN7117488 anti-PLCD4 antibody

Overview

Quantity:	100 µg
Target:	PLCD4
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLCD4 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	phospholipase C, delta 4
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	PLCD4
Alternative Name:	PLCD4 (PLCD4 Products)
Background:	Synonyms: Background: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,

Target Details

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.

Gene ID: 84812

UniProt: [Q9BRC7](#)

Pathways: [Inositol Metabolic Process](#)

Application Details

Application Notes: IHC: 1:20-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months