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Datasheet for ABIN7142063
anti-PLCz1 antibody (AA 1-415) (Biotin)

Overview

Quantity:	100 µg
Target:	PLCz1
Binding Specificity:	AA 1-415
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLCz1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase zeta-1 protein (1-415AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PLCz1
Alternative Name:	PLCZ1 (PLCz1 Products)
Background:	Background: The production of the second messenger molecules diacylglycerol (DAG) and

Target Details

inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. In vitro, hydrolyzes PtdIns(4,5)P2 in a Ca(2+)-dependent manner. Triggers intracellular Ca(2+) oscillations in oocytes solely during M phase and is involved in inducing oocyte activation and initiating embryonic development up to the blastocyst stage. Is therefore a strong candidate for the egg-activating soluble sperm factor that is transferred from the sperm into the egg cytoplasm following gamete membrane fusion. May exert an inhibitory effect on phospholipase-C-coupled processes that depend on calcium ions and protein kinase C, including CFTR trafficking and function.

Aliases: 1 phosphatidylinositol 4,5 bisphosphate phosphodiesterase zeta 1 antibody, 1-phosphatidylinositol-4 antibody, 5-bisphosphate phosphodiesterase zeta-1 antibody, MGC149685 antibody, NYD SP27 antibody, Phosphoinositide phospholipase C zeta 1 antibody, Phosphoinositide phospholipase C-zeta-1 antibody, Phospholipase C zeta 1 antibody, Phospholipase C-zeta-1 antibody, PI phospholipase C zeta 1 antibody, PLC zeta 1 antibody, PLC-zeta-1 antibody, PLCZ1 antibody, PLCZ1_HUMAN antibody, PLCzeta antibody, Testis development protein NYD SP27 antibody, Testis development related NYD SP27 antibody, Testis-development protein NYD-SP27 antibody

UniProt: [Q86YW0](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

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

Preservative: ProClin

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

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.