

# PLCZ1 Antibody HRP Conjugated

Catalog No: #C05725H

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## Description

Product Name	PLCZ1 Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IHC-P IHC-F
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 380-430 608 derived from human PLCZ1
Conjugates	HRP
Target Name	PLCZ1
Other Names	PLCzeta; NYD-SP27; PLC-zeta-1; 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase zeta-1; Phosphoinositide phospholipase C-zeta-1; Phospholipase C-zeta-1; Testis-development protein NYD-SP27; PLCZ1
Accession No.	Swiss-Prot#Q86YW0NCBI Gene ID89869
Uniprot	Q86YW0
GeneID	89869;
Excitation Emission	N A
Cell Localization	Cytoplasm, Nucleus
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

IHC-P=1:50-200 IHC-F=1:50-200

## Background

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. 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.

Note: This product is for in vitro research use only