

For Research Use Only

# PLCZ1 Recombinant antibody

Catalog Number: 83090-1-RR



## Basic Information

<b>Catalog Number:</b> 83090-1-RR	<b>GenBank Accession Number:</b> BC125067	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 300 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 89869	<b>CloneNo.:</b> 230187E2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q86YW0	
<b>Isotype:</b> IgG	<b>Full Name:</b> phospholipase C, zeta 1	
<b>Immunogen Catalog Number:</b> AG26899	<b>Calculated MW:</b> 608 aa, 70 kDa	

## Applications

**Tested Applications:**  
FC, ELISA

**Species Specificity:**  
Human

## Background Information

Phospholipase C zeta1 (Plcz1) was known to be a physiological factor in sperm that activates oocytes to complete meiosis by triggering Ca<sup>2+</sup> oscillations after fertilisation (PMID: 36613757). PLCZ1 is considered a major sperm-borne oocyte activation factor. After gamete fusion, PLCZ1 triggers calcium oscillations in the oocyte, resulting in oocyte activation (PMID: 38133249).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

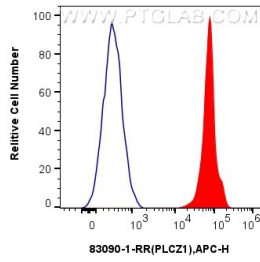
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



1x10<sup>6</sup> HEK-293 cells were intracellularly stained with 0.25 ug Anti-Human PLCZ1 (83090-1-RR, Clone:230187E2) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.