

For Research Use Only

PLCZ1 Recombinant antibody

Catalog Number: 83090-1-RR



Basic Information

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

Applications

Tested Applications:
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 Ca²⁺ 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.

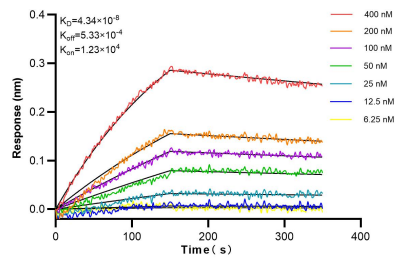
Aliquoting is unnecessary for -20°C storage

*** 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)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Biolayer interferometry (BLI) kinetic assays of 83090-1-RR against Human PLCZ1 were performed. The affinity constant is 43.4 nM.