

PLCZ1 Recombinant antibody

Catalog Number: 83090-1-RR

Basic Information

Catalog Number:

83090-1-RR

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26899

GenBank Accession Number:

BC125067

GeneID (NCBI):

89869

UNIPROT ID:

Q86YW0

Full Name:

phospholipase C, zeta 1

Calculated MW:

608 aa, 70 kDa

Purification Method:

Protein A purification

CloneNo.:

230187E2

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:

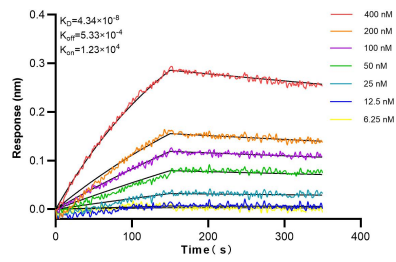
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



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