

For Research Use Only

CACNB3 Recombinant antibody

Catalog Number: 84762-4-RR



Basic Information

Catalog Number:

84762-4-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35651

GenBank Accession Number:

NM_000725.3

GeneID (NCBI):

784

UNIPROT ID:

P54284

Full Name:

calcium channel, voltage-dependent,
beta 3 subunit

Calculated MW:

55kDa, 484aa

Purification Method:

Protein A purification

CloneNo.:

242088E4

Recommended Dilutions:

IF/ICC 1:125-1:500

Applications

Tested Applications:

IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : MCF-7 cells,

Background Information

CACNB3, also known as CACNLB3, is a voltage-gated Ca²⁺ channel subunit. It has 5 isoforms and may play a role in the regulation of transcription factors and calcium transport.

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

For technical support and original validation data for this product please contact:

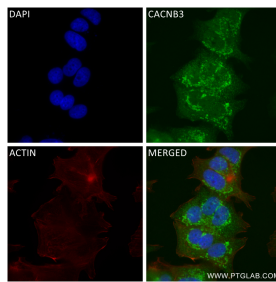
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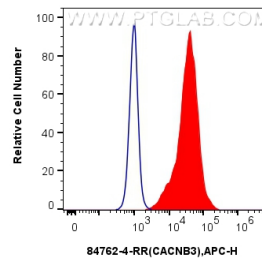
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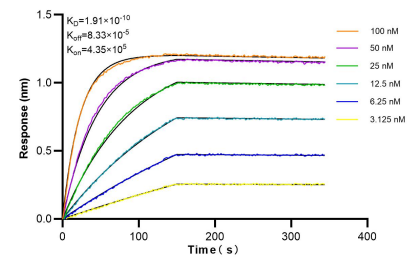
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CACNB3 antibody (84762-4-RR, Clone: 242088E4) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1×10^6 SKOV-3 cells were intracellularly stained with 0.25 μ g CACNB3 Recombinant antibody (84762-4-RR, Clone:242088E4) and Multi-rAb CoraLite® Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR005)(red), or 0.25 μ g Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 84762-4-RR against Human CACNB3 were performed. The affinity constant is 0.191 nM.