

For Research Use Only

CACNB3 Recombinant antibody

Catalog Number: 84762-4-RR



Basic Information

Catalog Number: 84762-4-RR	GenBank Accession Number: NM_000725.3	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 784	CloneNo.: 242088E4
Source: Rabbit	UNIPROT ID: P54284	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: calcium channel, voltage-dependent, beta 3 subunit	
Immunogen Catalog Number: AG35651	Calculated MW: 55kDa 484aa	

Applications

Tested Applications: IF/ICC, FC (Intra), ELISA	Positive Controls: IF/ICC : MCF-7 cells,
Species Specificity: human	

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

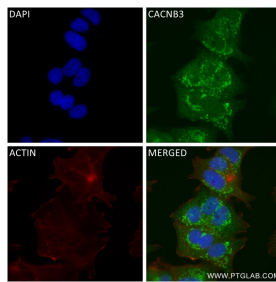
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

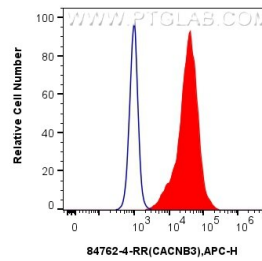
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

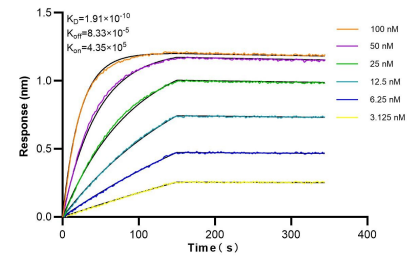
Selected Validation Data



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.