

For Research Use Only

CACNB3 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84762-3-PBS



Basic Information

| | | |
|---|---|---|
| Catalog Number: 84762-3-PBS | GenBank Accession Number: NM_000725.3 | Purification Method: Protein A purification |
| Size: 100ug , Concentration: 1 mg/ml by Nanodrop; | GeneID (NCBI): 784 | CloneNo.: 242088G1 |
| Source: Rabbit | UNIPROT ID: P54284 | |
| Isotype: IgG | Full Name: calcium channel, voltage-dependent, beta 3 subunit | |
| Immunogen Catalog Number: AG35651 | Calculated MW: 55kDa 484aa | |
| | Observed MW: 58 kDa | |

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse

Product Information

84762-3-PBS targets CACNB3 as part of a matched antibody pair:

MP01545-1: 84762-3-PBS capture and 84762-2-PBS detection (validated in Cytometric bead array)

MP01545-2: 84762-3-PBS capture and 84762-1-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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

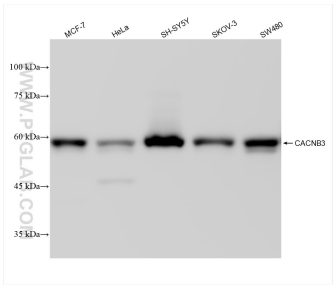
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

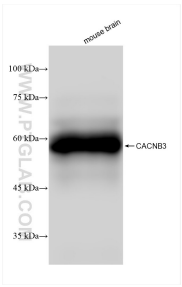
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

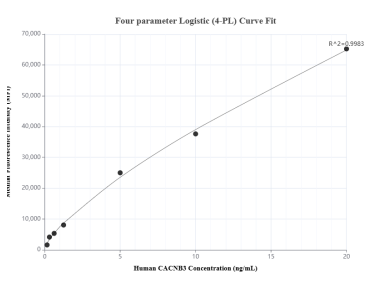
Selected Validation Data



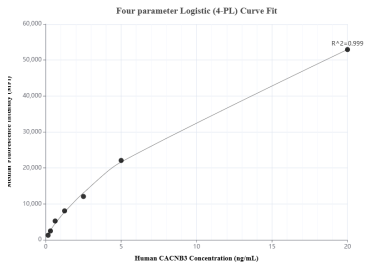
Various lysates were subjected to SDS PAGE followed by western blot with 84762-3-RR (CACNB3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84762-3-PBS in a different storage buffer formulation.



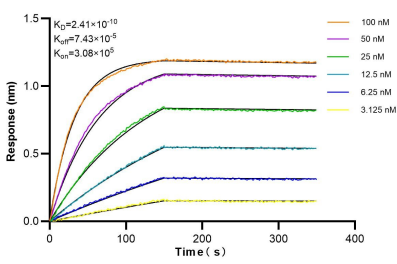
Mouse brain tissue were subjected to SDS PAGE followed by western blot with 84762-3-RR (CACNB3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84762-3-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01545-1, CACNB3 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84762-3-PBS. Detection antibody: 84762-2-PBS. Standard: Ag35651. Range: 0.156-20 ng/mL



Cytometric bead array standard curve of MP01545-2, CACNB3 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84762-3-PBS. Detection antibody: 84762-1-PBS. Standard: Ag35651. Range: 0.156-20 ng/mL



Biolayer interferometry (BLI) kinetic assays of 84762-3-RR against Human CACNB3 were performed. The affinity constant is 0.241 nM.