

For Research Use Only

CACNA1C Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 88512-1-PBS



Basic Information

Catalog Number: 88512-1-PBS	GenBank Accession Number: BC146846	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 775	CloneNo.: 260291G2
Source: Rabbit	UNIPROT ID: Q13936	
Isotype: IgG	Full Name: calcium channel, voltage-dependent, L type, alpha 1C subunit	
Immunogen Catalog Number: AG16455	Calculated MW: 249 kDa	

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

88512-1-PBS targets CACNA1C as part of a matched antibody pair:

MP03459-1: 88512-2-PBS capture and 88512-1-PBS detection (validated in Sandwich ELISA)

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.

Storage

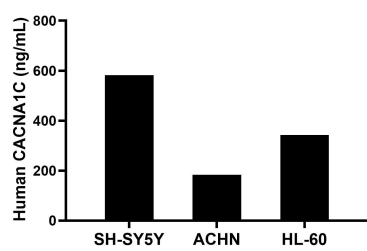
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

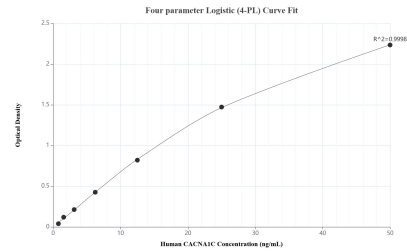
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



The mean CACNA1C concentration was determined to be 581.70 ng/mL in SH-SY5Y cell extract based on a 1.20 mg/mL extract load, 184.00 ng/mL in ACHN cell extract based on a 1.20 mg/mL extract load and 342.90 ng/mL in HL-60 cell extract based on a 1.20 mg/mL extract load.



Sandwich ELISA standard curve of MP03459-1, Human CACNA1C Recombinant Matched Antibody Pair - PBS only. 88512-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag16455. 88512-1-PBS was HRP conjugated as the detection antibody. Range: 0.78-50 ng/mL