

For Research Use Only

CACNA1H Polyclonal antibody, PBS Only

Catalog Number: 28092-1-PBS



Basic Information

Catalog Number: 28092-1-PBS	GenBank Accession Number: NM_001005407	Purification Method: Antigen affinity purification
Source: Rabbit	GeneID (NCBI): 8912	
Isotype: IgG	UNIPROT ID: O95180	
Immunogen Catalog Number: AG26094	Full Name: calcium channel, voltage-dependent, T type, alpha 1H subunit	
	Calculated MW: 259 kDa	
	Observed MW: 259 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

Voltage-dependent T-type calcium channel subunit alpha-1H (CACNA1H) is located in the plasma membrane of various tissues, including the brain cortex, amygdala, caudate nucleus, putamen, kidney, liver, and heart. This subunit regulates muscle contraction, secretion, neurotransmission, and gene expression by forming the pore (PMID: 33985586). Predominantly, the changes observed are missense mutations associated with gain-of-function, resulting in an increased influx of calcium into adrenal cells (PMID: 33985586; 37311830).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

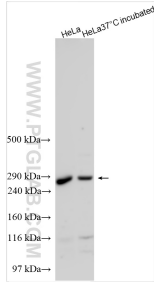
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E: Proteintech-CN@ptglab.com

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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 Tris-Acetate gel system followed by western blot with 28092-1-AP (CACNA1H antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 28092-1-PBS in a different storage buffer formulation.