

For Research Use Only

# CACNA1H Polyclonal antibody, PBS Only

Catalog Number: 28092-1-PBS



## Basic Information

<b>Catalog Number:</b> 28092-1-PBS	<b>GenBank Accession Number:</b> NM_001005407	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8912	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O95180	
<b>Isotype:</b> IgG	<b>Full Name:</b> calcium channel, voltage-dependent, T type, alpha 1H subunit	
<b>Immunogen Catalog Number:</b> AG26094	<b>Calculated MW:</b> 259 kDa	
	<b>Observed MW:</b> 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.

**Storage Buffer:**  
PBS only, pH7.3

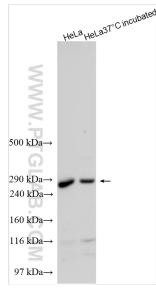
For technical support and original validation data for this product please contact:

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## 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.