

For Research Use Only

# CACNA1H Polyclonal antibody

Catalog Number: 28092-1-AP



## Basic Information

**Catalog Number:**

28092-1-AP

**Size:**

150ul , Concentration: 500 µg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG26094

**GenBank Accession Number:**

NM\_001005407

**GeneID (NCBI):**

8912

**UNIPROT ID:**

O95180

**Full Name:**

calcium channel, voltage-dependent, T type, alpha 1H subunit

**Calculated MW:**

259 kDa

**Observed MW:**

259 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : HeLa cells,

## 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 -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

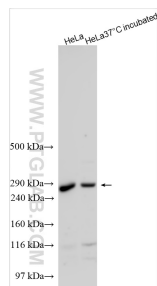
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28092-1-AP (CACNA1H antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.