

For Research Use Only

CACNA1H Polyclonal antibody

Catalog Number: 28092-1-AP



Basic Information

Catalog Number:

28092-1-AP

Concentration:

500 ug/ml

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

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

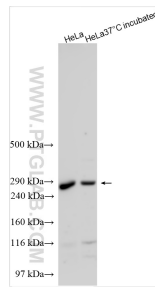
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Selected Validation Data



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.