

For Research Use Only

CACNA1I-Specific Polyclonal antibody

Catalog Number:19534-1-AP



Basic Information

Catalog Number:

19534-1-AP

Size:

150ul , Concentration: 200 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_021096

GeneID (NCBI):

8911

UNIPROT ID:

Q9P0X4

Full Name:

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

Calculated MW:

245 kDa

Observed MW:

~240 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : rat brain tissue, mouse brain tissue

Background Information

CACNA1I, also named as Cav3.3 and KIAA1120, belongs to the calcium channel alpha-1 subunit (TC 1.A.1.11) family. Voltage-sensitive calcium channels (VSCC) mediate the entry of calcium ions into excitable cells and are also involved in a variety of calcium-dependent processes, including muscle contraction, hormone or neurotransmitter release, gene expression, cell motility, cell division and cell death. CACNA1I gives rise to T-type calcium currents. CACNA1I may also be involved in the modulation of firing patterns of neurons which is important for information processing as well as in cell growth processes. This antibody is specific to CACNA1I.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

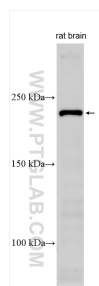
For technical support and original validation data for this product please contact:

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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 SDS PAGE followed by western blot with 19534-1-AP (CACNA1l-Specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.