For Research Use Only

CACNA1I-Specific Polyclonal antibody, PBS Only

Catalog Number:19534-1-PBS

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Basic Information

Catalog Number:
19534-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

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 -80°C.
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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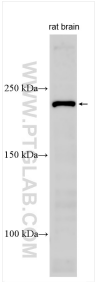
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 19534-1-AP (CACNA1I-Specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 19534-1-PBS in a different storage buffer formulation.