

For Research Use Only

CACNA1S Polyclonal antibody, PBS Only

Catalog Number: 22279-1-PBS



Basic Information

Catalog Number:

22279-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_000069

GeneID (NCBI):

779

UNIPROT ID:

Q13698

Full Name:

calcium channel, voltage-dependent,
L type, alpha 1S subunit

Calculated MW:

212 kDa

Observed MW:

200-220 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

CACNA1S, also named as CACH1, CACN1 and CACNL1A3, belongs to the calcium channel alpha-1 subunit (TC 1.A.1.11) family and CACNA1S subfamily. 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. CACNA1S gives rise to L-type calcium currents. Long-lasting (L-type) calcium channels belong to the 'high-voltage activated' (HVA) group. The antibody is specific to CACNA1S.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

T: 4006900926

E: Proteintech-CN@ptglab.com

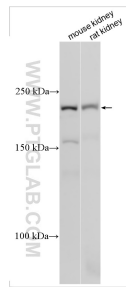
W: ptgcn.com

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Selected Validation Data



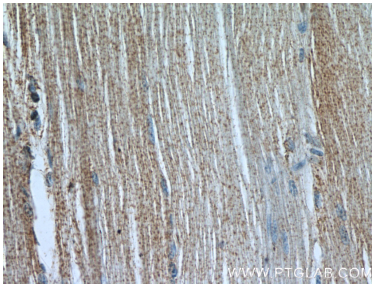
human brain tissue were subjected to SDS PAGE followed by western blot with 22279-1-AP (CACNA1S antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 22279-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 22279-1-AP (CACNA1S antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 22279-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle slide using 22279-1-AP (CACNA1S Antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 22279-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle slide using 22279-1-AP (CACNA1S Antibody) at dilution of 1:50 (under 40x lens). This data was developed using the same antibody clone with 22279-1-PBS in a different storage buffer formulation.