

For Research Use Only

CACNA1S Polyclonal antibody

Catalog Number: 22279-1-AP

2 Publications



Basic Information

Catalog Number:

22279-1-AP

Size:

600 µg/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

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : human brain tissue,

IHC : human skeletal muscle tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Ru Zheng	27742864	Reproduction	IHC
Jorge L Jimenez-Macias	39253453	bioRxiv	WB

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

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

T: 4006900926

E: Proteintech-CN@ptglab.com

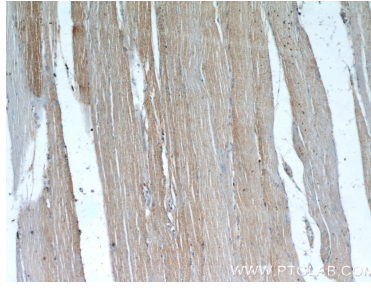
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

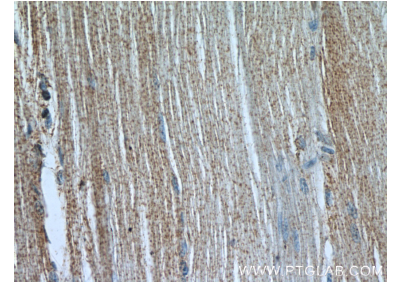
Selected Validation Data



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.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle slide using 22279-1-AP (CACNA1S Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle slide using 22279-1-AP (CACNA1S Antibody) at dilution of 1:50 (under 40x lens).