

For Research Use Only

CACNA1G Polyclonal antibody

Catalog Number: 17821-1-AP

3 Publications



Basic Information

Catalog Number:

17821-1-AP

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12188

GenBank Accession Number:

BC110995

GeneID (NCBI):

8913

UNIPROT ID:

O43497

Full Name:

calcium channel, voltage-dependent,

T type, alpha 1G subunit

Calculated MW:

2261aa, 250 kDa; 2377aa, 263 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

IF-P 1:50-1:500

Applications

Tested Applications:

IHC, IF-P, ELISA

Cited Applications:

IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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

Positive Controls:

IHC : human cerebellum tissue, human heart tissue

IF-P : mouse cerebellum tissue,

Background Information

Notable Publications

Author	Pubmed ID	Journal	Application
Heng Zhang	36199421	Oxid Med Cell Longev	IF
Susana Quesado Branco	35731905	J Perinat Med	IHC
Heng Zhang	37950730	Aging (Albany NY)	IF

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:

T: 4006900926

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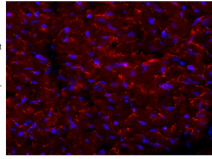
W: ptgcn.com

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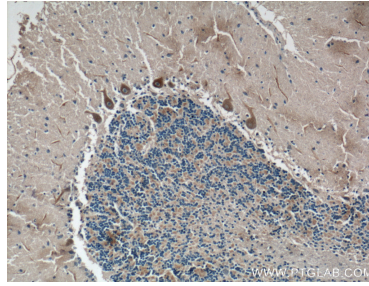
Selected Validation Data

CACNA1G Polyclonal Antibody 17821-1-AP

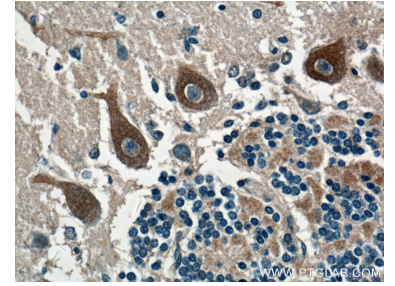
Immunofluorescence of frozen mouse heart section. 1:100 dilution of 17821-1-AP overnight at 4°C in Block. Secondary antibody: Alexa 594 Goat anti-rabbit. Apparent sarcolemmal expression, as expected.



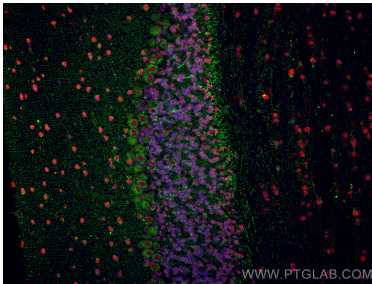
IF result of anti-CACNA1G (17821-1-AP) in frozen mouse heart section by Dr Nicola Smart.



Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 17821-1-AP (CACNA1G Antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 17821-1-AP (CACNA1G Antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse cerebellum tissue using CACNA1G antibody (17821-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), FUS/TLS antibody (68262-1-Ig, Clone: 1B4F8, red). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).