

For Research Use Only

# CACNA2D1 Polyclonal antibody

Catalog Number: 27453-1-AP

4 Publications



## Basic Information

Catalog Number:

27453-1-AP

Size:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26190

GenBank Accession Number:

NM\_000722

GeneID (NCBI):

781

UNIPROT ID:

P54289

Full Name:

calcium channel, voltage-dependent,  
alpha 2/delta subunit 1

Calculated MW:

125 kDa

Observed MW:

125 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

IF 1:50-1:500

## Applications

Tested Applications:

IF-P, IHC, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human, mouse, pig, rat

Cited Species:

human, rat, 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:

WB : mouse brain tissue, pig brain tissue, rat brain  
tissue, mouse skeletal muscle tissue

IHC : human skeletal muscle tissue, human brain  
tissue

IF : mouse eye tissue,

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Ting Huang	36231119	Cells	WB,IF
Khalil Ali Ahmad	33862171	Brain Behav Immun	IF, WB
Chuan Jiang	38034773	Heliyon	WB, IF

## 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:

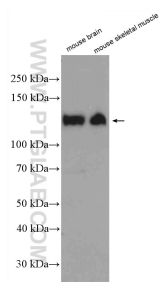
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

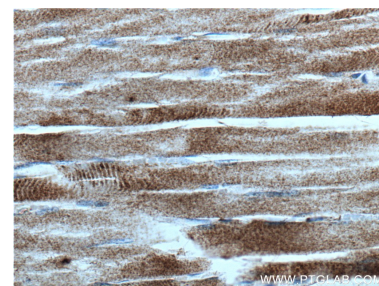
## Selected Validation Data



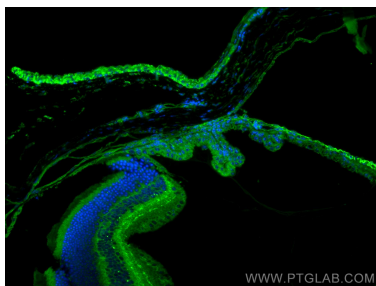
mouse brain tissue and mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 27453-1-AP (CACNA2D1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



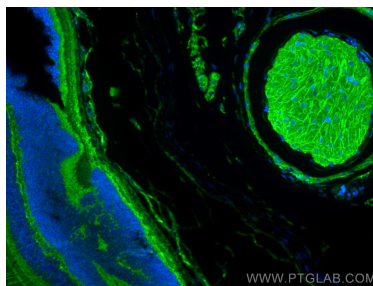
Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 27453-1-AP (CACNA2D1 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 27453-1-AP (CACNA2D1 antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed mouse eye tissue using CACNA2D1 antibody (27453-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse eye tissue using CACNA2D1 antibody (27453-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).