

For Research Use Only

CACNA2D1 Polyclonal antibody

Catalog Number: 27453-1-AP

9 Publications



Basic Information

Catalog Number:

27453-1-AP

Concentration:

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-P 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

WB, IHC, IF, CoIP

Species Specificity:

human, mouse, pig, rat

Cited Species:

human, mouse, rat

**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-P : 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
Wenkai Wang	39716944	Adv Sci (Weinh)	

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:

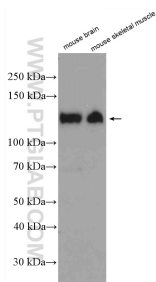
T: 4006900926

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.

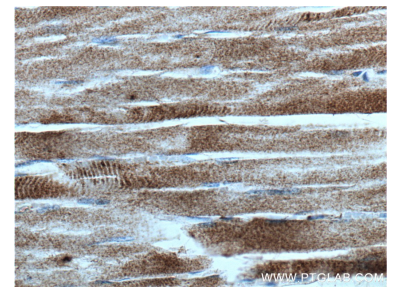
Selected Validation Data



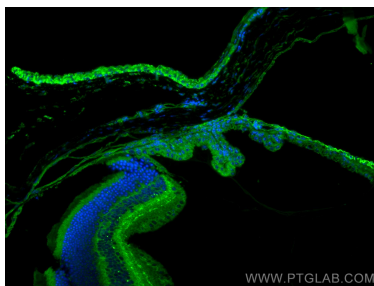
mouse brain tissue and mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 27453-1-AP (CACNA2D1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



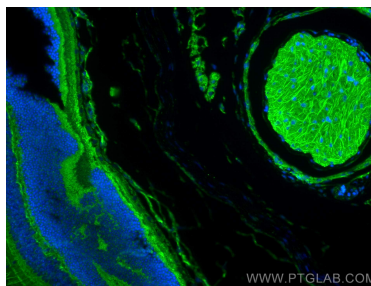
Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 27453-1-AP (CACNA2D1 antibody) at dilution of 1:200 (under 10x lens).



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 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 Goat Anti-Rabbit IgG(H+L).