

For Research Use Only

CACNA2D1 Polyclonal antibody

Catalog Number: 27453-1-AP **4 Publications**



Basic Information

Catalog Number: 27453-1-AP	GenBank Accession Number: NM_000722	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 781	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: calcium channel, voltage-dependent, alpha 2/delta subunit 1	
Isotype: IgG	Calculated MW: 125 kDa	
Immunogen Catalog Number: AG26190	Observed MW: 125 kDa	

Applications

Tested Applications:

IF, 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

*** 20ul sizes contain 0.1% BSA

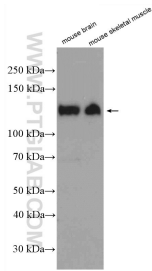
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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

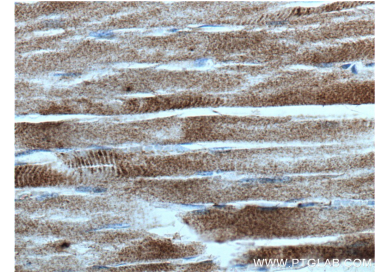
Selected Validation Data



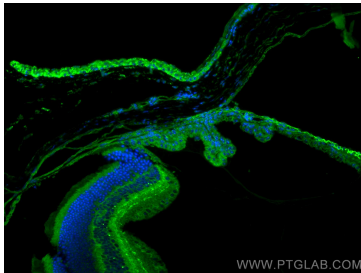
mouse brain tissue and mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 27453-1-AP (CACNA2D1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



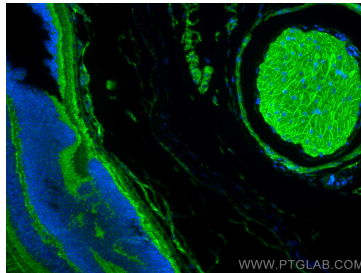
Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 27453-1-AP (CACNA2D1 antibody) at dilution of 1:200 (under 10x lens).



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).