

For Research Use Only

# CACNA1D Polyclonal antibody

Catalog Number: 22276-1-AP

1 Publications



## Basic Information

Catalog Number:

22276-1-AP

Concentration:

650 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_000720

GeneID (NCBI):

776

UNIPROT ID:

Q01668

Full Name:

calcium channel, voltage-dependent,  
L type, alpha 1D subunit

Calculated MW:

248 kDa

Observed MW:

200-250 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:200-1:1000

IHC: 1:20-1:200

IF/ICC: 1:10-1:100

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : HEK-293 cells,

IHC : human brain tissue,

IF/ICC : SH-SY5Y cells,

**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

### Notable Publications

Author	Pubmed ID	Journal	Application
Shunrong Ji	40185092	Cancer Cell	

## 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:

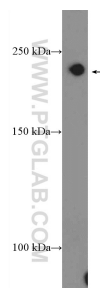
T: 4006900926

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

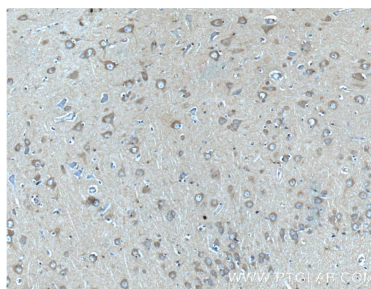
W: [ptgcn.com](http://ptgcn.com)

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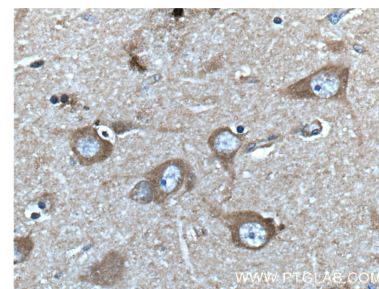
## Selected Validation Data



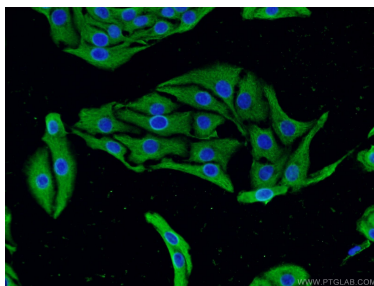
HEK-293 cells were subjected to SDS PAGE followed by western blot with 22276-1-AP (CACNA1D Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 22276-1-AP (CACNA1D Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 22276-1-AP (CACNA1D Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of SH-SY5Y cells using 22276-1-AP (CACNA1D antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).