

For Research Use Only

# CACNA2D1 Polyclonal antibody



Catalog Number: 27453-1-AP

## Basic Information

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

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

human, mouse, pig, 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

## Background Information

### Storage

#### Storage:

Store at -20°C. Stable for one year after shipment.

#### Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

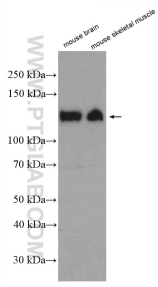
For technical support and original validation data for this product please contact:

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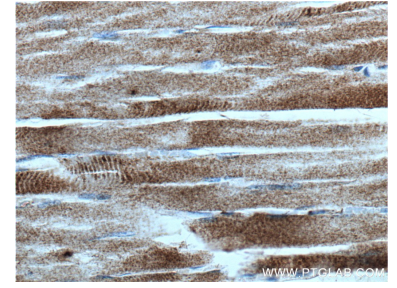
## Selected Validation Data



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).