

## CaV alpha2delta1 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP07172
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	Synthetic Peptide of CaV $\alpha$ 2 $\delta$ 1
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Voltage-dependent calcium channel subunit alpha-2/delta-1
<b>Synonyms</b>	Voltage-dependent calcium channel subunit alpha-2/delta-1 ;Voltage-gated calcium channel subunit alpha-2/delta-1 [Cleaved into: Voltage-dependent calcium channel subunit alpha-2-1; Voltage-dependent ; Voltage-dependent calcium channel subunit alpha-2/delta-1; Voltage-gated calcium channel subunit alpha-2/delta-1; Voltage-dependent calcium channel subunit alpha-2-1; Voltage-dependent calcium channel subunit delta-1;

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

The preproprotein encoded by this gene is cleaved into multiple chains that comprise the alpha-2 and delta subunits of the voltage-dependent calcium channel complex. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization. Mutations in this gene can cause cardiac deficiencies, including Brugada syndrome and short QT syndrome. Alternate splicing results in multiple transcript variants, some of which may lack the delta subunit portion.

### Recommended Dilution

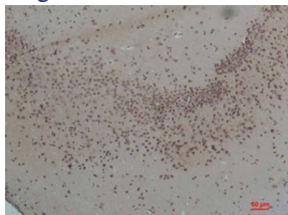
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

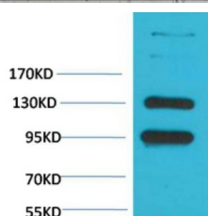
ELISA: 1: 40000

Not yet tested in other applications.

### Images



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using CaV  $\alpha$ 2 $\delta$ 1 Rabbit pAb diluted at 1:200.



Western blot analysis of Rat Brain Tissue with CaV $\alpha$ 2 $\delta$ 1 Rabbit pAb diluted at 1:2,000.

## Storage

-20°C for 1 year

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