

## Cav1.2 Polyclonal Antibody

### Description

Product type	Primary Antibody
Code	BT-AP14706
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthetic Peptide of Cav1.2
Mol wt	N/A
Species reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Recommended application	IHC-p, IF
Concentration	1 mg/ml
Full name	Voltage-dependent L-type calcium channel subunit alpha-1C
Synonyms	Voltage-dependent L-type calcium channel subunit alpha-1C ;Calcium channel, L type, alpha-1 polypeptide, isoform 1, cardiac muscle;Voltage-gated calcium channel subunit alpha Cav1.2; Voltage-dependent L-type calcium channel subunit alpha-1C; Calcium channel, L type, alpha-1 polypeptide, isoform 1, cardiac muscle; Voltage-gated calcium channel subunit alpha Cav1.2

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

### Background

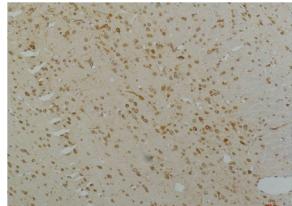
This gene encodes an alpha-1 subunit of a voltage-dependent calcium channel. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization. The alpha-1 subunit consists of 24 transmembrane segments and forms the pore through which ions pass into the cell. The calcium channel consists of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. There are multiple isoforms of each of these proteins, either encoded by different genes or the result of alternative splicing of transcripts. The protein encoded by this gene binds to and is inhibited by dihydropyridine. Alternative splicing results in many transcript variants encoding different proteins. Some of the predicted proteins may not produce functional ion channel subunits.

### Recommended Dilution

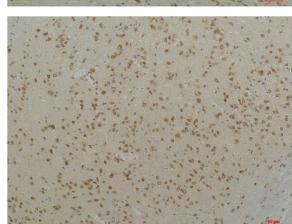
IHC: 1: 100 - 1: 200

Not yet tested in other applications.

### Images



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using Cav1.2Rabbit pAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Mouse Brain Tissue using Cav1.2Rabbit pAb diluted at 1:200.

**Storage**

-20°C for 1 year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China  
Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com