

Anti-Human/Mouse/Rat Cav2.2 Polyclonal Antibody**Polyclonal Antibody****Cat.NO.: PA04268**

3th Edition

Description: CACNA1B (Calcium Voltage-Gated Channel Subunit Alpha1 B) is a Protein Coding gene. Diseases associated with CACNA1B include Dystonia 23 and Morvan's Fibrillary Chorea. Among its related pathways are CCR5 Pathway in Macrophages and PEDF Induced Signaling. GO annotations related to this gene include calcium ion binding and ion channel activity. An important paralog of this gene is CACNA1A. The protein encoded by this gene is the pore-forming subunit of an N-type voltage-dependent calcium channel, which controls neurotransmitter release from neurons. The encoded protein forms a complex with alpha-2, beta, and delta subunits to form the high-voltage activated channel. This channel is sensitive to omega-conotoxin-GVIA and omega-agatoxin-IIIa but insensitive to dihydropyridines. Two transcript variants encoding different isoforms have been found for this gene.

Antigen: Synthetic Peptide

Form:

How to use: 1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution: PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: Isoform Alpha-1b-1 and isoform Alpha-1b-2 are expressed in the central nervous system, but not in skeletal muscle or aorta.