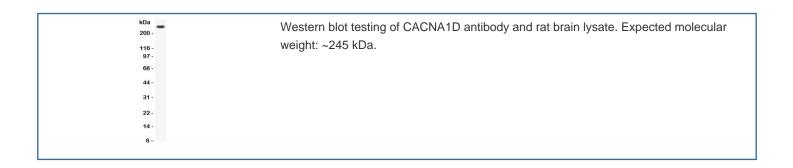


# CACNA1D Antibody / CaV1.3 (R31417)

Catalog No.	Formulation	Size
R31417	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

#### **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q01668
Applications	Western Blot : 0.5-1ug/ml
Limitations	This CACNA1D antibody is available for research use only.



### **Description**

Cav1.3, also known as the calcium channel, voltage-dependent, L type, alpha 1D subunit (CACNA1D), is a human gene. Voltage-dependent calcium channels mediate the entry of calcium ions into excitable cells, and are also involved in a variety of calcium-dependent processes, including muscle contraction, hormone or neurotransmitter release, and gene expression. Alpha-1D subunit can mediate DHP-sensitive, high voltage-activated, long-lasting calcium channel activity. CACNA1D can form L-type calcium channels with negative activation thresholds which is essential for normal auditory function and controling of cardiac pacemaker activity.

### **Application Notes**

The stated application concentrations are suggested starting amounts. Titration of the CACNA1D antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## **Immunogen**

An amino acid sequence from the C-terminus of human CaV1.3/CACNA1D (RDEEDLADEMICITTL) was used as the immunogen for this CACNA1D antibody.

## **Storage**

After reconstitution, the CACNA1D antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.