

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.



Western blot testing of CACNA1D antibody and rat brain lysate. Expected molecular weight: ~245 kDa.

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 controlling 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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.