

Anti-CaV1.3/CACNA1D Antibody Picoband® PE Conjugated

Catalog Number: PA2293-PE

About CACNA1D

Cav1.3, also known as the calcium channel, voltage-dependent, L type, alpha 1D subunit (CACNA1D), is a human gene. It is mapped to 3p21.1. 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.

Overview

Product Name	Anti-CaV1.3/CACNA1D Antibody Picoband® PE Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q01668

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CaV1.3, different from the related mouse and rat sequences by one amino acid.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

1 Publications Citing This Product

1. PubMed ID: 28656274, Guo, Y., Cui, L., Jiang, S., Zhang, A., & Jiang, S. (2017). Proteomics of acute heart failure in a rat post-myocardial infarction model. *Molecular Medicine Reports*, 16(2), 1946-1956. Advance online publication. doi: 10.3892/mmr.2017.6820

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