

Anti-CACNA1B Antibody

Catalog Number: A04505-1

About CACNA1B

CACNA1B, also named as CACH5, CACNL1A5 and BIII, belongs to the calcium channel alpha-1 subunit (TC 1.A.1.11) family. Voltage-sensitive calcium channels (VSCC) 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, gene expression, cell motility, cell division and cell death. CACNA1B gives rise to N-type calcium currents. N-type calcium channels belong to the 'high-voltage activated' (HVA) group and are blocked by omega-conotoxin-GVIA (omega-CTx-GVIA) and by omega-agatoxin-IIIa (omega-Aga-IIIa). They are however insensitive to dihydropyridines (DHP), and omega-agatoxin-IVA (omega-Aga-IVA). CACNA1B may play a role in directed migration of immature neurons.

Overview

Product Name	Anti-CACNA1B Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CACNA1B Antibody catalog # A04505-1. Tested in IHC, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q00975

Technical Details

Immunogen	Peptide
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry, 1:50-400

ELISA, 1:100-1000

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Anti-CACNA1B Antibody

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