

Anti-CACNA1E Antibody (Monoclonal, 31C43)

Catalog Number: M05359

About Cacna1e

This gene encodes an integral membrane protein that belongs to the calcium channel alpha-1 subunits family. Voltage-sensitive calcium channels mediate the entry of calcium ions into excitable cells and are also involved in a variety of calcium-dependent processes. Voltage-dependent calcium channels are multi-subunit complexes, comprised of alpha-1, alpha-2, beta and delta subunits in a 1:1:1:1 ratio. The isoform alpha-1E gives rise to R-type calcium currents and belongs to the high-voltage activated group. Calcium channels containing the alpha-1E subunit may be involved in the modulation of neuronal firing patterns, an important component of information processing.

Overview

Product Name	Anti-CACNA1E Antibody (Monoclonal, 31C43)
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-CACNA1E Antibody (Monoclonal, 31C43) catalog # M05359. Tested in WB, IHC applications. This antibody reacts with Mouse, Rat.
Application	IHC, WB
Clonality	Monoclonal 31C43
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide 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	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q61290

Technical Details

Immunogen	Recombinant protein within human CACNA1E aa 1966-2311.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-200

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