BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-CACNA1C Antibody

Catalog Number: A00976-2

About CACNA1C

Calcium voltage-gated channel subunit alpha1 C (CACNA1C, also known as CACH2 and Cav1.2) couples transient activation of inward calcium current to transcriptional regulation and plays an important role in dendritic development, neuronal survival, synaptic plasticity, memory formation, learning, and behavior (PMID: 21248242; 16251435; 20169575; 19047462; 18174367). Genetic variation in CACNA1C has also been associated with depression, schizophrenia, and autism spectrum disorders, as well as changes in brain function and structure in control subjects who have no diagnosable psychiatric illness (PMID: 22705413).

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Overview

Product Name	Anti-CACNA1C Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CACNA1C Antibody catalog # A00976-2. Tested in WB, IHC, IF, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN3, 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□-20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q13936

Technical Details

Immunogen	E.coli-derived human CACNA1C recombinant protein (Position: K1837-V2132).

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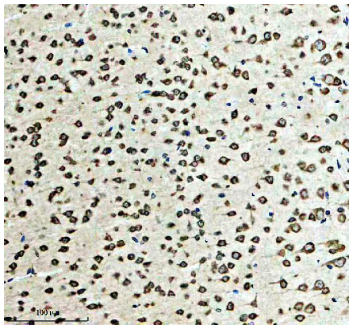
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-400 Immunofluorescence, 1:50-400 ELISA, 1:100-1000

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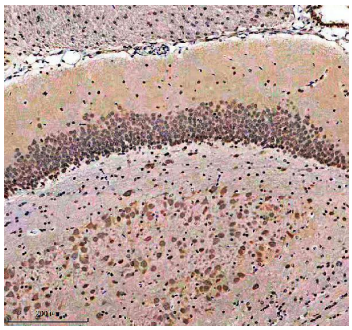
Anti-CACNA1C Antibody (A00976-2) Images



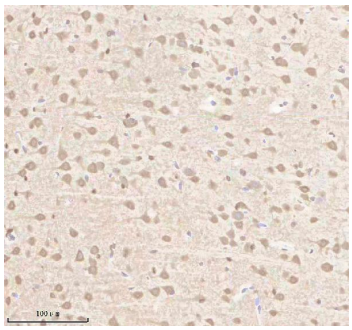
IHC analysis of CACNA1C using anti-CACNA1C antibody (A00976-2). CACNA1C was detected in a paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:200 rabbit anti-CACNA1C Antibody (A00976-2) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



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For Research Use Only. Not for use in diagnostic procedures.