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

Anti-CDNF Antibody Picoband®

Catalog Number: A10069-2

About CDNF

Cerebral dopamine neurotrophic factor also known as ARMET-like protein 1 is a protein that in humans is encoded by the CDNF gene. Predicted to enable growth factor activity. Predicted to be involved in dopaminergic neuron differentiation and neuron projection development. Predicted to be located in extracellular region. Predicted to be active in endoplasmic reticulum and extracellular space. Is expressed in several structures, including brain; genitourinary system; hemolymphoid system gland; salivary gland; and skeletal muscle tissue. Orthologous to human CDNF (cerebral dopamine neurotrophic factor).

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Overview

Product Name	Anti-CDNF Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-CDNF Antibody Picoband® catalog # A10069-2. Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, Flow Cytometry, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q8CC36

Technical Details

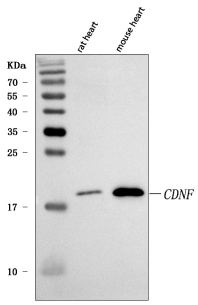
Immunogen	E.coli-derived mouse Cdnf recombinant protein (Position: Q25-L187).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western

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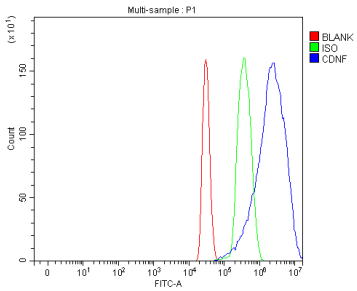
	blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Mouse, Rat Flow Cytometry (Fixed), 1-3 ug/1x10^6 cells, , Mouse ELISA, 0.1-0.5 ug/ml, , Mouse Note: For flow cytometry (FCM), suitable for fixed cells only. Not suitable for FACS or surface flow cytometry using live cells.

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Anti-CDNF Antibody Picoband® (A10069-2) Images



Western blot analysis of Cdnf using anti-Cdnf antibody (A10069-2). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat heart tissue lysates, Lane 2: mouse heart tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Cdnf antigen affinity purified polyclonal antibody (Catalog # A10069-2) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Cdnf at approximately 19-20 kDa. The expected band size for Cdnf is at 21 kDa.



Flow Cytometry analysis of HEPA1-6 cells using anti-Cdnf antibody (A10069-2). Overlay histogram showing HEPA1-6 cells stained with A10069-2 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-Cdnf Antibody (A10069-2, 1 ug/1x106 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x106 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

Anti-CDNF Antibody

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