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

Anti-PDE3B Antibody Picoband®

Catalog Number: A03323-1

About PDE3B

Enables 3',5'-cyclic-AMP phosphodiesterase activity. Involved in several processes, including negative regulation of angiogenesis; negative regulation of lipid catabolic process; and regulation of phosphatidylinositol 3-kinase/protein kinase B signal transduction. Located in membrane. Part of guanyl-nucleotide exchange factor complex.

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Overview

Product Name	Anti-PDE3B Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PDE3B Antibody Picoband® catalog # A03323-1. Tested in WB applications. This antibody reacts with Human, 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	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	Q13370

Technical Details

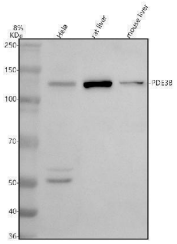
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human PDE3B. Human PDE3B shares 96% amino acid (aa) sequence identity with both mouse and rat PDE3B.
Form	Lyophilized

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Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human, Mouse, Rat

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Anti-PDE3B Antibody Picoband® (A03323-1) Images



Western blot analysis of PDE3B using anti-PDE3B antibody (A03323-1). Electrophoresis was performed on a 8% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: rat liver tissue lysates, Lane 3: mouse liver 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-PDE3B antigen affinity purified polyclonal antibody (A03323-1) 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 ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for PDE3B at approximately 130 kDa. The expected band size for PDE3B is at 124 kDa.

Anti-PDE3B Antibody

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