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

Anti-ATP8/MT-ATP8 Antibody Picoband®

Catalog Number: A33371-1

About Mtatp8

Predicted to enable proton transmembrane transporter activity. Predicted to contribute to proton-transporting ATP synthase activity, rotational mechanism. Predicted to be involved in proton motive force-driven mitochondrial ATP synthesis. Located in mitochondrion. Is expressed in heart; liver; and metanephros. Human ortholog(s) of this gene implicated in multiple sclerosis and urinary bladder cancer. Orthologous to human MT-ATP8 (mitochondrially encoded ATP synthase membrane subunit 8).

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Overview

Product Name	Anti-ATP8/MT-ATP8 Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-ATP8/MT-ATP8 Antibody Picoband® catalog # A33371-1. Tested in 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	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	P03930

Technical Details

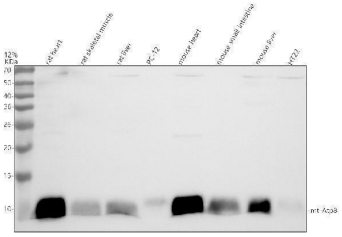
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse ATP8/MT-ATP8.
Form	Lyophilized

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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, Mouse, Rat

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Anti-ATP8/MT-ATP8 Antibody Picoband® (A33371-1) Images



Western blot analysis of ATP8/MT-ATP8 using anti-ATP8/MT-ATP8 antibody (A33371-1). Electrophoresis was performed on a 12% 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: rat heart tissue lysates, Lane 2: rat skeletal muscle tissue lysates, Lane 3: rat liver tissue lysates, Lane 4: rat PC-12 whole cell lysates, Lane 5: mouse heart tissue lysates, Lane 6: mouse skeletal muscle tissue lysates, Lane 7: mouse liver tissue lysates, Lane 8: mouse HT22 whole cell 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-ATP8/MT-ATP8 antigen affinity purified polyclonal antibody (A33371-1) 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 ATP8/MT-ATP8 at approximately 8 kDa. The expected band size for ATP8/MT-ATP8 is at 8 kDa.

Anti-ATP8/MT-ATP8 Antibody

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