

## Anti-PCTP Antibody Picoband®

Catalog Number: A05582-1

### About PCTP

Predicted to enable phosphatidylcholine binding activity and phosphatidylcholine transporter activity. Involved in negative regulation of cold-induced thermogenesis. Acts upstream of or within cholesterol metabolic process. Located in cytosol. Is expressed in several structures, including genitourinary system; hemolymphoid system gland; intestine; liver; and stomach. Orthologous to human PCTP (phosphatidylcholine transfer protein).

### Overview

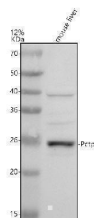
Product Name	Anti-PCTP Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-PCTP Antibody Picoband® catalog # A05582-1. Tested in WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high 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 Na <sub>2</sub> HPO <sub>4</sub> .
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	P53808

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse PCTP. Mouse PCTP shares 86.4% and 95.5% amino acid (aa) sequence identity with human and rat PCTP, respectively.
Form	Lyophilized
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



## Anti-PCTP Antibody Picoband® (A05582-1) Images



Western blot analysis of PCTP using anti-PCTP antibody (A05582-1). 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: 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-PCTP antigen affinity purified polyclonal antibody (A05582-1) 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 PCTP at approximately 27 kDa. The expected band size for PCTP is at 25 kDa.

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### Anti-PCTP Antibody

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