

Anti-TAP2 Antibody Picoband™

Catalog Number: PB9824

About TAP2

Transporter, ATP-binding cassette, major histocompatibility complex 2 (TAP2) is a gene in humans that encodes the protein Antigen peptide transporter 2. The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. The gene is assigned to human chromosome 6p21.3. It is located 7 kb telomeric to gene family member ABCB2. The protein encoded by this gene is involved in antigen presentation. And this protein forms a heterodimer with ABCB2 in order to transport peptides from the cytoplasm to the endoplasmic reticulum.

Overview

Product Name	Anti-TAP2 Antibody Picoband™
Reactive Species	Human
Description	Boster Bio Anti-TAP2 Antibody Picoband™ catalog # PB9824. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Storage Instructions	Store 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 freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q03519

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human TAP2, different from the related mouse sequence by five amino acids, and from the related rat sequence by six amino acids.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western 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 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot, 0.1-0.5ug/ml, Human

Anti-TAP2 Antibody Picoband™ (PB9824) Images

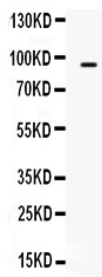


Figure 1. Western blot analysis of TAP2 using anti-TAP2 antibody (PB9824).

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 40 ug of sample under reducing conditions.

Lane 1: HELA Whole Cell Lysate.

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-TAP2 antigen affinity purified polyclonal antibody (Catalog # PB9824) 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 TAP2 at approximately 87 kDa. The expected band size for TAP2 is at 87 kDa.

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