

## Anti-TRP 7/TRPC7 Antibody Picoband™

Catalog Number: PB9272

### About TRPC7

Transient receptor potential cation channel, subfamily C, member 7, also known as TRPC7, is a human gene encoding a protein of the same name. Using a cosmid/BAC contig, this gene is mapped to chromosome 21q22.3. TRPC7 is the most abundantly expressed long TRPC in peripheral blood and in some blood cell lines. The protein encoded by this gene is a calcium-permeable cation channel that is regulated by free intracellular ADP-ribose. The encoded protein is activated by oxidative stress and confers susceptibility to cell death.

### Overview

Product Name	Anti-TRP 7/TRPC7 Antibody Picoband™
Reactive Species	Human, Mouse
Description	Boster Bio Anti-TRP 7/TRPC7 Antibody Picoband™ catalog # PB9272. Tested in WB applications. This antibody reacts with Human, Mouse.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
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	Q9HCX4

### Technical Details

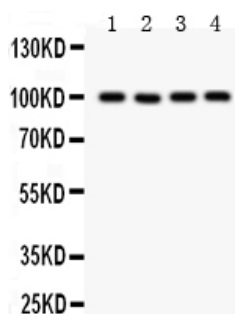
Immunogen	E.coli-derived human TRP 7 recombinant protein (Position: K716-I862). Human TRP 7 shares 95% amino acid (aa) sequence identity with mouse TRP 7.
Predicted Reactive Species	Bovine
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for 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	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human, Mouse</p>

## Anti-TRP 7/TRPC7 Antibody Picoband™ (PB9272) Images



Anti-TRP 7 Picoband antibody, PB9272, Western blotting  
All lanes: Anti TRP 7 (PB9272) at 0.5ug/ml  
WB: Recombinant Human TRP 7 Protein 0.5ng  
Predicted bind size: 39KD  
Observed bind size: 39KD



Anti-TRP 7 Picoband antibody, PB9272, Western blotting  
All lanes: Anti TRP 7 (PB9272) at 0.5ug/ml  
Lane 1: Mouse Brain Tissue Lysate at 50ug  
Lane 2: A549 Whole Cell Lysate at 40ug  
Lane 3: COLO320 Whole Cell Lysate at 40ug  
Lane 4: SKOV Whole Cell Lysate at 40ug  
Predicted bind size: 99KD  
Observed bind size: 99KD

## 1 Publications Citing This Product

1. PubMed ID: 27472391, TRPC1/TRPC3 channels mediate lysophosphatidylcholine-induced apoptosis in cultured human coronary artery smooth muscles cells

Visit [bosterbio.com/anti-trp-7-picoband-trade-antibody-pb9272-boster.html](http://bosterbio.com/anti-trp-7-picoband-trade-antibody-pb9272-boster.html) to see all 1 publications.

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