

## Anti-TRPC4 Antibody Picoband®

Catalog Number: PA2307

### About TRPC4

The short transient receptor potential channel 4 (TRPC4), also known as Trp-related protein 4, is a protein that in humans is encoded by the TRPC4 gene. TRPC4 is a member of the transient receptor potential cation channels. It is mapped to 13q13.3. This protein forms a non-selective calcium-permeable cation channel that is activated by Gq-coupled receptors and tyrosine kinases, and plays a role in multiple processes including endothelial permeability, vasodilation, neurotransmitter release and cell proliferation. TRPC4 also has an essential role in endothelial-dependent regulation of vascular tone, endothelial permeability, and neurotransmitter release from thalamic interneurons.

### Overview

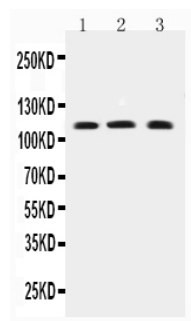
Product Name	Anti-TRPC4 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-TRPC4 Antibody catalog # PA2307. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong 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 antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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	Q9UBN4

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human TRPC4.
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	Western blot, 0.1-0.5ug/ml, Human

## Anti-TRPC4 Antibody Picoband® (PA2307) Images



Anti-TRPC4 antibody, PA2307, All Western blotting  
All lanes:  
Anti-TRPC4(PA2307) at 0.5ug/ml Lane 1: COLO320 Whole  
Cell Lysate at 40ug Lane 2: MCF-7 Whole Cell Lysate at 40ug  
Lane 3: PANC Whole Cell Lysate at 40ug Predicted bind size:  
112KD Observed bind size: 112KD

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### Anti-TRPC4 Antibody

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