

## Anti-TMEM201 Antibody Picoband®

Catalog Number: A14243

### About TMEM201

TMEM201 is a protein-coding gene located on chromosome 10 in humans. Its full name is Transmembrane Protein 201. This gene encodes a transmembrane protein that is predicted to play a role in cellular processes, although its exact function is not yet fully understood. Studies suggest that TMEM201 may be involved in intracellular trafficking or signaling pathways within the cell. Further research is needed to elucidate its precise biological significance and potential implications in health and disease.

### Overview

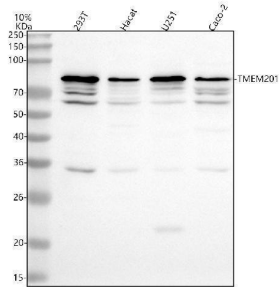
Product Name	Anti-TMEM201 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-TMEM201 Antibody Picoband® catalog # A14243. Tested in WB, FCM, ELISA applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, 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	ELISA, Flow Cytometry, 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	Q5SNT2

### Technical Details

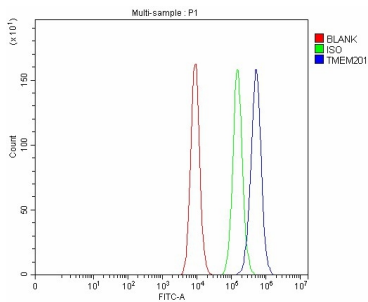
Immunogen	E.coli-derived human TMEM201 recombinant protein (Position: R38-R591). Human TMEM201 shares 83.4% amino acid (aa) sequence identity with mouse TMEM201.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Form	Lyophilized
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, Human

Flow Cytometry (Fixed), 1-3 ug/1x10<sup>6</sup> cells, Human  
ELISA, 0.1-0.5 ug/ml, -

## Anti-TMEM201 Antibody Picoband® (A14243) Images



Western blot analysis of TMEM201 using anti-TMEM201 antibody (A14243). 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 30 ug of sample under reducing conditions. Lane 1: human 293T whole cell lysates, Lane 2: human Hacat whole cell lysates, Lane 3: human U251 whole cell lysates, Lane 4: human Caco-2 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-TMEM201 antigen affinity purified polyclonal antibody (Catalog # A14243) 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 TMEM201 at approximately 85 kDa. The expected band size for TMEM201 is at 72 kDa.



Flow Cytometry analysis of Caco-2 cells using anti-TMEM201 antibody (A14243). Overlay histogram showing Caco-2 cells stained with A14243 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TMEM201 Antibody (A14243, 1 ug/1x10<sup>6</sup> cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x10<sup>6</sup> cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

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Anti-TMEM201 Antibody

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