

Rabbit anti-Human TMEM201 Polyclonal Antibody | anti-TMEM201 antibody

Anti-TMEM201 Antibody Picoband

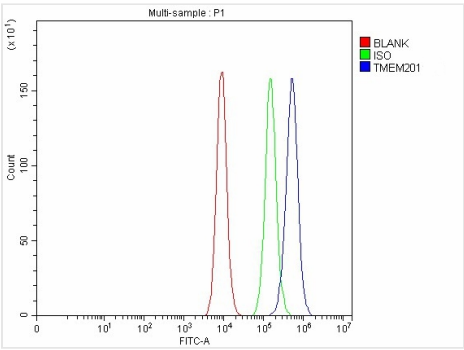
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127824	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

TMEM201; Polyclonal Antibody; Anti-TMEM201 Antibody Picoband; anti-TMEM201 antibody

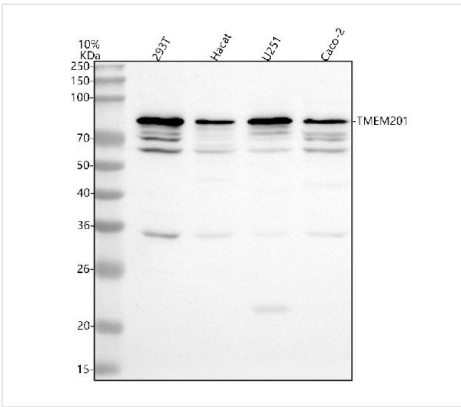
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-TMEM201 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human TMEM201 recombinant protein (Position: R38-R591). Human TMEM201 shares 83.4% amino acid (aa) sequence identity with mouse TMEM201.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of Caco-2 cells using anti-TMEM201 antibody (AAA127824). Overlay histogram showing Caco-2 cells stained with AAA127824 (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 (AAA127824, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of TMEM201 using anti-TMEM201 antibody (AAA127824). 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 (#AAA127824) at 0.5ug/mL overnight at 4 degree 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 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.

ADDITIONAL INFORMATION

Related Product Information for anti-TMEM201 antibody	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.
Product Categories/Family for anti-TMEM201 antibody	Primary Antibodies
References	1. Chen D, Lou Y, Lu J, et al. Characterization of the Clinical Significance and Immunological Landscapes of a Novel TMEMs Signature in Hepatocellular Carcinoma and the Contribution of TMEM201 to Hepatocarcinogenesis[J]. International Journal of Molecular Sciences, 2023, 24(12): 10285.2. Bergqvist C, Niss F, Figueroa R A, et al. Monitoring of chromatin organization in live cells by FRIC. Effects of the inner nuclear membrane protein Samp1[J]. Nucleic acids research, 2019, 47(9): e49-e49.3. Larsson V J, Jafferli M H, Vijayaraghavan B, et al. Mitotic spindle assembly and gamma-tubulin localisation depend on the integral nuclear membrane protein Samp1[J]. Journal of cell science, 2018, 131(8): jcs211664.

NCBI AND UNIPROT INFORMATION

NCBI GI #	58197554
NCBI GeneID	199953
NCBI Accession #	NP_001010866.1
NCBI GenBank Nucleotide #	NM_001010866.3
UniProt Accession #	Q5SNT2; Q5SNT3; B9EH90
Molecular Weight	72,236 Da
NCBI Official Full Name	transmembrane protein 201 isoform 2
NCBI Official Synonym Full Names	transmembrane protein 201

NCBI Official Symbol	TMEM201
NCBI Official Synonym Symbols	NET5
NCBI Protein Information	transmembrane protein 201; RP13-15M17.2; spindle-associated membrane protein 1
UniProt Protein Name	Transmembrane protein 201
UniProt Gene Name	TMEM201
UniProt Synonym Gene Names	NET5; SAMP1
UniProt Entry Name	TM201_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/tmem201-antibody-flow-cytometry-western-blot-elisa/127824>