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# Anti-Transmembrane protein 199 TMEM199 Antibody

**Catalog Number:** A14686-1

## About TMEM199

TMEM199 encodes a protein homologous to the yeast V-ATPase assembly factor Vma12 and appears to be involved in Golgi homeostasis. The protein encoded by this gene has been observed to localize to the endoplasmic reticulum (ER)-Golgi intermediate compartment (ERGIC) and coat protein complex I (COPI) in some human cells. Defects in this gene are a cause of congenital disorder of glycosylation, type IIp. By genomic sequence analysis, the TMEM199 gene is mapped to chromosome 17q11.1.

## Overview

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| Product Name | Anti-Transmembrane protein 199 TMEM199 Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-Transmembrane protein 199 TMEM199 Antibody catalog # A14686-1. Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat. |
| Application | ELISA, WB |
| Clonality | Polyclonal |
| Formulation | Each vial contains 4mg Trehalose, 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 | Q8N511 |

## Technical Details

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| Immunogen | E.coli-derived human TMEM199 recombinant protein (Position: E20-H129). |
| 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 |

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| | kit.<br>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.<br>Some PubMed article(s) citing the expression level of this target are as follows:<br>Boster Bio's internal QC testing used:<br>Western blot, 0.1-0.5ug/ml<br>Direct ELISA, 0.1-0.5ug/ml |

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# Anti-Transmembrane protein 199 TMEM199 Antibody (A14686-1) Images

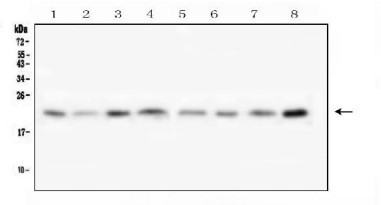


Figure 1. Western blot analysis of TMEM199 using anti-TMEM199 antibody (A14686-1).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: human placenta tissue lysates,
Lane 3: human Caco-2 whole cell lysates,
Lane 4: human T-47D whole cell lysates,
Lane 5: human U-87MG whole cell lysates,
Lane 6: human K562 whole cell lysates,
Lane 7: human U2OS whole cell lysates,
Lane 8: human PC-3 whole cell lysates.
After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-TMEM199 antigen affinity purified polyclonal antibody (Catalog # A14686-1) 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 1:10000 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 TMEM199 at approximately 23KD. The expected band size for TMEM199 is at 23KD.