

Anti-Transmembrane protein 199 TMEM199 Antibody Picoband®

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

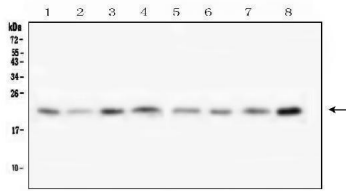
Product Name	Anti-Transmembrane protein 199 TMEM199 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Transmembrane protein 199 TMEM199 Antibody catalog # A14686-1. Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates 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, 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

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	Western blot, 0.1-0.5ug/ml ELISA, 0.1-0.5ug/ml

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



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.

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