

Anti-TMED4 Antibody Picoband®

Catalog Number: A12647-1

About TMED4

Transmembrane emp24 domain-containing protein 4 is a protein that in humans is encoded by the TMED4 gene. Involved in positive regulation of I-kappaB kinase/NF-kappaB signaling. Predicted to be located in endoplasmic reticulum membrane. Predicted to be integral component of membrane. Predicted to be active in several cellular components, including COPII-coated ER to Golgi transport vesicle; Golgi apparatus; and endoplasmic reticulum-Golgi intermediate compartment.

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Overview

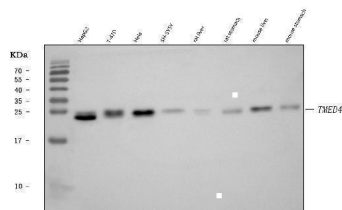
Product Name	Anti-TMED4 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TMED4 Antibody Picoband® catalog # A12647-1. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior 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	WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
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	Q7Z7H5

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human TMED4, identical to the related mouse sequences.
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, 0.25-0.5 ug/ml/ml, Human, Mouse, Rat

Anti-TMED4 Antibody Picoband® (A12647-1) Images



Western blot analysis of TMED4 using anti-TMED4 antibody (A12647-1). 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 30 ug of sample under reducing conditions. Lane 1: human HepG2 whole cell lysates, Lane 2: human T-47D whole cell lysates, Lane 3: human Hela whole cell lysates, Lane 4: human SH-SY5Y whole cell lysates, Lane 5: rat liver tissue lysates, Lane 6: rat stomach tissue lysates, Lane 7: mouse liver tissue lysates, Lane 8: mouse stomach tissue 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-TMED4 antigen affinity purified polyclonal antibody (Catalog # A12647-1) 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 1:5000 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 TMED4 at approximately 25 kDa. The expected band size for TMED4 is at 26 kDa.

Anti-TMED4 Antibody

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