

Anti-TWEAK/Tnfsf12 Antibody Picoband®

Catalog Number: A02009-3

About Tnfsf12

Tumor necrosis factor ligand superfamily member 12 also known as TNF-related weak inducer of apoptosis (TWEAK) is a protein that in humans is encoded by the TNFSF12 gene. Predicted to enable receptor ligand activity. Acts upstream of or within extrinsic apoptotic signaling pathway. Located in extracellular region. Is expressed in Meckel's cartilage; hip; skeleton; and superior cervical ganglion. Orthologous to several human genes including TNFSF12-TNFSF13 (TNFSF12-TNFSF13 readthrough).

Overview

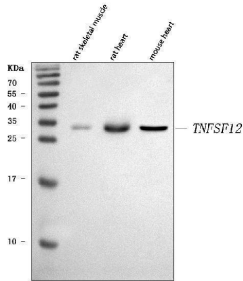
Product Name	Anti-TWEAK/Tnfsf12 Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-TWEAK/Tnfsf12 Antibody Picoband® catalog # A02009-3. Tested in ELISA, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees 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 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	O54907

Technical Details

Immunogen	E.coli-derived mouse TWEAK/Tnfsf12 recombinant protein (Position: S46-H249).
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 µg/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Mouse, Rat ELISA, 0.1-0.5 ug/ml, -

Anti-TWEAK/Tnfsf12 Antibody Picoband® (A02009-3) Images



Western blot analysis of TWEAK/Tnfsf12 using anti-TWEAK/Tnfsf12 antibody (A02009-3). 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: rat skeletal muscle tissue lysates, Lane 2: rat heart tissue lysates, Lane 3: mouse heart 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-TWEAK/Tnfsf12 antigen affinity purified polyclonal antibody (Catalog # A02009-3) 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 TWEAK/Tnfsf12 at approximately 27 kDa. The expected band size for TWEAK/Tnfsf12 is at 22 kDa.

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