

Anti-TNFRSF1A Antibody Picoband™

Catalog Number: A00294

About TNFRSF1A

Tumor necrosis factor receptor superfamily member 1A (TNFRSF1A), also known as TNFR1, is a protein that in humans is encoded by the TNFRSF1A gene. The protein encoded by this gene is a member of the Tumor necrosis factor receptor superfamily, which also contains TNFRSF1B. The TNFR1 gene is mapped to 12pter-cen. It encodes a protein of 455 amino acids. And this receptor can activate the transcription factor NF-kappaB, mediate apoptosis, and function as a regulator of inflammation.

Overview

Product Name	Anti-TNFRSF1A Antibody Picoband™
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TNFRSF1A Antibody Picoband™ catalog # A00294. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	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	P19438

Technical Details

Immunogen	E.coli-derived human TNFRSF1A recombinant protein (Position: F89-N145). Human TNFRSF1A shares 67.3% and 69.1% amino acid (aa) sequence identity with mouse and rat TNFRSF1A, respectively.
Predicted Reactive Species	Chicken
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	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Mouse, Rat, Human</p>

Anti-TNFRSF1A Antibody Picoband™ (A00294) Images

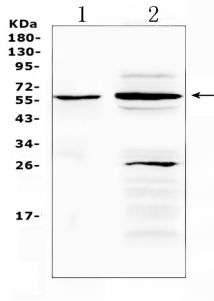


Figure 1. Western blot analysis of TNFRSF1A using anti-TNFRSF1A antibody (A00294).

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: rat gaster tissue lysates,

Lane 2: mouse brain tissue 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-TNFRSF1A antigen affinity purified polyclonal antibody (Catalog # A00294) 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 TNFRSF1A at approximately 60KD. The expected band size for TNFRSF1A is at 50KD.

4 Publications Citing This Product

1. PubMed ID: 25267210, TRAF6 upregulation in spinal astrocytes maintains neuropathic pain by integrating TNF- α and IL-1 β signaling
2. PubMed ID: 19564935, Soluble Tumor Necrosis Factor Receptor Mediates Cell Proliferation on Lipopolysaccharide-Stimulated Cultured Human Decidual Stromal Cells
3. PubMed ID: 24845203, Powerful inner/outer controlled multi-target magnetic nanoparticle drug carrier prepared by liquid photo-immobilization

Visit bosterbio.com/anti-tnfrsf1a-picoband-trade-antibody-a00294-boster.html to see all 4 publications.

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