

Anti-RNF186 Antibody Picoband™

Catalog Number: A15259-1

About RNF186

RNF186 is an E3 ubiquitin ligase that regulates endoplasmic reticulum (ER) stress and apoptosis through its interaction with BNIP1. This gene is mapped to chromosome 1p36.13 based on an alignment of the RNF186 sequence with the genomic sequence (GRCh38). Cotransfection and immunoprecipitation analyses showed that RNF186, through its transmembrane domains, interacted with BNIP1. Overexpression of RNF186 promoted BNIP1 ubiquitination and transfer of BNIP1 to mitochondria.

Overview

Product Name	Anti-RNF186 Antibody Picoband™
Reactive Species	Human
Description	Boster Bio Anti-RNF186 Antibody Picoband™ catalog # A15259-1. Tested in ELISA, WB applications. This antibody reacts with Human.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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	Q9NXI6

Technical Details

Immunogen	E. coli-derived human RNF186 recombinant protein (Position: R86-L159).
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

kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Western blot, 0.1-0.5ug/ml

Direct ELISA, 0.1-0.5ug/ml

Anti-RNF186 Antibody Picoband™ (A15259-1) Images

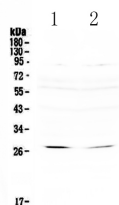


Figure 1. Western blot analysis of RNF186 using anti-RNF186 antibody (A15259-1).

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 SW620 cell lysates,

Lane 2: human HepG2 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-RNF186 antigen affinity purified polyclonal antibody (Catalog # A15259-1) 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 RNF186 at approximately 28KD. The expected band size for RNF186 is at 24KD.

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