

Anti-NFE2 Antibody Picoband®

Catalog Number: A03765-1

About NFE2

Transcription factor NF-E2 45 kDa subunit is a protein that in humans is encoded by the NFE2 gene. Enables several functions, including WW domain binding activity; identical protein binding activity; and protein N-terminus binding activity. Contributes to cis-regulatory region sequence-specific DNA binding activity. Predicted to be involved in regulation of transcription by RNA polymerase II. Predicted to act upstream of or within several processes, including labyrinthine layer blood vessel development; negative regulation of bone mineralization; and negative regulation of syncytium formation by plasma membrane fusion. Part of protein-DNA complex.

Overview

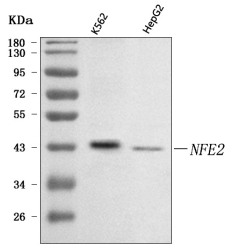
Product Name	Anti-NFE2 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-NFE2 Antibody Picoband® catalog # A03765-1. Tested in ELISA, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, 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	Q16621

Technical Details

Immunogen	E.coli-derived human NFE2 recombinant protein (Position: E20-D373).
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, Human ELISA, 0.1-0.5 ug/ml, -

Anti-NFE2 Antibody Picoband® (A03765-1) Images



Western blot analysis of NFE2 using anti-NFE2 antibody (A03765-1). 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 K562 whole cell lysates, Lane 2: human HepG2 whole cell 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-NFE2 antigen affinity purified polyclonal antibody (Catalog # A03765-1) 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 NFE2 at approximately 41 kDa. The expected band size for NFE2 is at 41 kDa.

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Anti-NFE2 Antibody

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