

Anti-COBRA1/NELFB Antibody Picoband®

Catalog Number: A12025-1

About NELFB

Cofactor of BRCA1, also known as COBRA1, is a human gene that encodes NELF-B. NELF-B is a subunit of negative elongation factor (NELF), which also includes NELF-A (WHSC2), either NELF-C or NELF-D (TH1L), and NELF-E (RDBP). NELF acts with DRB sensitivity-inducing factor (DSIF), a heterodimer of SPT4 (SUPT4H1) and SPT5 (SUPT5H), to cause transcriptional pausing of RNA polymerase II. COBRA1 was initially identified in a yeast two-hybrid screen using the BRCT1 domain of BRCA1 as bait.

Overview

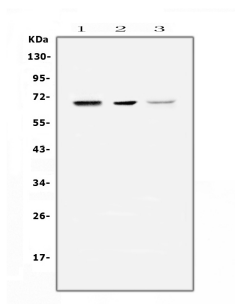
Product Name	Anti-COBRA1/NELFB Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-COBRA1/NELFB Antibody Picoband® catalog # A12025-1. Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that 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	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	Q8WX92

Technical Details

Immunogen	E. coli-derived human COBRA1 recombinant protein (Position: M1-E252).
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, 0.1-0.5ug/ml ELISA, 0.1-0.5ug/ml

Anti-COBRA1/NELFB Antibody Picoband® (A12025-1) Images



Western blot analysis of COBRA1 using anti-COBRA1 antibody (A12025-1). 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: rat kidney tissue lysates, Lane 2: mouse kidney tissue lysates, Lane 3: human MDA-MB-231 whole 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-COBRA1 antigen affinity purified polyclonal antibody (Catalog # A12025-1) 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 COBRA1 at approximately 66KD. The expected band size for COBRA1 is at 66KD.

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Anti-COBRA1/NELFB Antibody

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