

Anti-CREB3L1 Antibody Picoband®

Catalog Number: PB9492

About CREB3L1

CREB3L1, known as Cyclic AMP-responsive element-binding protein 3-like protein 1, is mapped to 11p11.2. The protein encoded by this gene is normally found in the membrane of the endoplasmic reticulum (ER). However, upon stress to the ER, the encoded protein is cleaved and the released cytoplasmic transcription factor domain translocates to the nucleus. There it activates the transcription of target genes by binding to box-B elements.

Overview

Product Name	Anti-CREB3L1 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-CREB3L1 Antibody Picoband® catalog # PB9492. Tested in 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	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , and 0.05 mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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	Q96BA8

Technical Details

Immunogen	E.coli-derived human CREB3L1 recombinant protein (Position: M1-M204). Human CREB3L1 shares 93.6% and 93.1% amino acid (aa) sequence identity with mouse and rat CREB3L1, respectively.
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, Human

Anti-CREB3L1 Antibody Picoband® (PB9492) Images



Western blot analysis of CREB3L1 using anti-CREB3L1 antibody (PB9492). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. Lane 1: Human Placenta Tissue Lysate at 50ug, Lane 2: HELA Whole Cell Lysate at 40ug, Lane 3: A549 Whole Cell Lysate at 40ug, Lane 4: MM231 Whole Cell Lysate at 40ug, Lane 5: COLO320 Whole Cell Lysate at 40ug. 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-CREB3L1 antigen affinity purified polyclonal antibody (Catalog # PB9492) 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 CREB3L1 at approximately 57 kDa. The expected band size for CREB3L1 is at 57 kDa.

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Anti-CREB3L1 Antibody

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