

Anti-CKAP4 Antibody Picoband®

Catalog Number: A02154-1

About Ckap4

Cytoskeleton-associated protein 4, also known as CLIMP63 and p63, is a protein that in humans is encoded by the CKAP4 gene. It is mapped to 12q23.3. CKAP4 is found on the plasma membrane of select cells such as vascular smooth muscle and Type II Greater alveolar lung cells. It has a bimodal distribution. First, CKAP4 is found on the plasma membrane and serves as a receptor for SP-A/surfactant protein-A (in lung) and tPA (in vessels). Second, it is embedded in the membrane of a compartment that links the ER with the Golgi apparatus. This localization is dependent on its ability to form homooligomers, and its presence serves to anchor microtubules and direct the formation of tubular ER.

Overview

Product Name	Anti-CKAP4 Antibody Picoband®
Reactive Species	Mouse
Description	Boster Bio Anti-CKAP4 Antibody Picoband® catalog # A02154-1. Tested in WB applications. This antibody reacts with Mouse. 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	Q8BMK4

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of mouse CKAP4, different from the related human sequence by one amino acid.
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, Mouse

Anti-CKAP4 Antibody Picoband® (A02154-1) Images



Western blot analysis of CKAP4 using anti-CKAP4 antibody (A02154-1). 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: 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-CKAP4 antigen affinity purified polyclonal antibody (Catalog # A02154-1) 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 CKAP4 at approximately 66KD. The expected band size for CKAP4 is at 66KD.

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Anti-CKAP4 Antibody

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