

**Anti-CKAP4 Picoband Antibody**  
**Catalog # ABO10232****Specification**

---

**Anti-CKAP4 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q8BMK4</a>
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Cytoskeleton-associated protein 4(Ckap4) detection. Tested with WB in Mouse.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-CKAP4 Picoband Antibody - Additional Information**

**Gene ID** 216197

**Other Names**

Cytoskeleton-associated protein 4, 63-kDa cytoskeleton-linking membrane protein, Climp-63, p63, Ckap4

**Calculated MW**

63692 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Mouse<br>

**Subcellular Localization**

Endoplasmic reticulum membrane; Single-pass type II membrane protein. Cell membrane; Single-pass type II membrane protein. Cytoplasm, cytoskeleton. Cytoplasm, perinuclear region. Translocates to the perinuclear region upon APF- stimulation. .

**Protein Name**

Cytoskeleton-associated protein 4

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminus of mouse CKAP4 (95-118aa LVAAAFSGWYVHHVLEEVQQVRR), different from the related human sequence by one amino acid.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins.

**Storage**

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

**Anti-CKAP4 Picoband Antibody - Protein Information****Name** Ckap4**Function**

High-affinity epithelial cell surface receptor for APF.

**Cellular Location**

Endoplasmic reticulum membrane; Single-pass type II membrane protein. Cell membrane {ECO:0000250|UniProtKB:Q07065}; Single-pass type II membrane protein. Cytoplasm, cytoskeleton Cytoplasm, perinuclear region. Note=Translocates to the perinuclear region upon APF-stimulation.

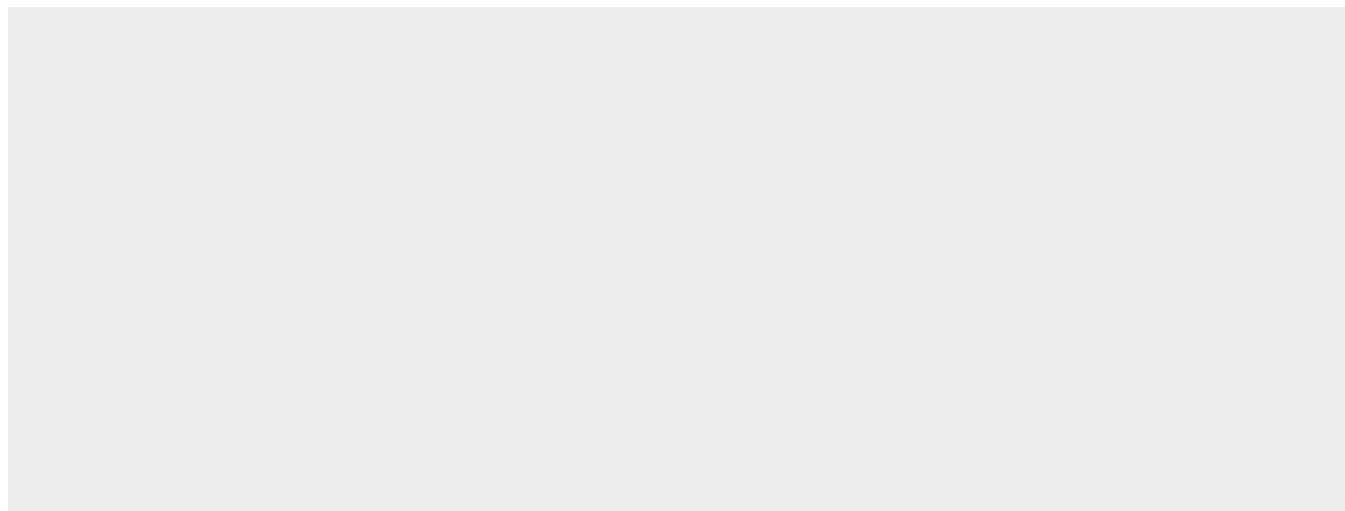
**Tissue Location**

Expressed in cardiomyocytes (at protein level).

**Anti-CKAP4 Picoband Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-CKAP4 Picoband Antibody - Images**



Western blot analysis of CKAP4 expression in mouse brain extract. CKAP4 at 66KD was detected using rabbit anti- CKAP4 Antigen Affinity purified polyclonal antibody (Catalog # ABO10232) at 0.5  $\mu$ g/mL. The blot was developed using chemiluminescence (ECL) method .

#### **Anti-CKAP4 Picoband Antibody - Background**

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.