

Anti-CKAP4 Picoband Antibody

Catalog # ABO10232

Product Information

Application	WB
Primary Accession	Q8BMK4
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.

Additional Information

Gene ID	216197
Other Names	Cytoskeleton-associated protein 4, 63-kDa cytoskeleton-linking membrane protein, Climp-63, p63, Ckap4
Calculated MW	63692
Application Details	Western blot, 0.1-0.5 µg/ml, Mouse
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. .
Source	Eukaryota
Protein Name	Cytoskeleton-associated protein 4
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of mouse CKAP4 (95-118aa LVAAAFSGWYVHHVLEEYQQVRR), 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.

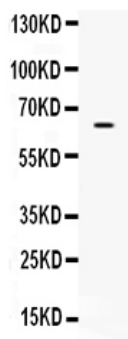
Protein Information

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).

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.

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 µg/mL. The blot was developed using chemiluminescence (ECL) method .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.