

Calsequestrin 2 Recombinant antibody

Cat:B36131S

Company: HaoKebio

Uniprot ID:O14958

Applications: IHC:1:300-1:1200

Organism:Rabbit

IHC-Polymer:1:1200-1:5000

Species reactivity:Human Mouse Rat

IHC-TSA:1:1500-1:6000

Molecular Weight Calculation: 46 kDa

IF:1:50

Observed Molecular Weight: 46-55 kDa

WB:1:5000-1:50000

FC:1:200-1:600

Background:

Calsequestrin (CASQ) is a Ca^{2+} -binding protein present primarily in junctional sarcoplasmic reticulum of skeletal and cardiac muscle; the cardiac form (CASQ2) is encoded by a separate gene. The primary role of CASQ2 is buffering of the sarcoplasmic reticulum Ca^{2+} ions, but another role for CASQ2 has emerged recently: CASQ2 regulates the open probability of ryanodine receptor 2 (RyR2). Mutations in CASQ2 cause stress-induced polymorphic ventricular tachycardia, also referred to as catecholaminergic polymorphic ventricular tachycardia 2 (CPVT2), a disease characterized by bidirectional ventricular tachycardia that may lead to cardiac arrest.

Synonyms:

CASQ2, 241211A3, Calsequestrin-2

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Cytoplasm

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

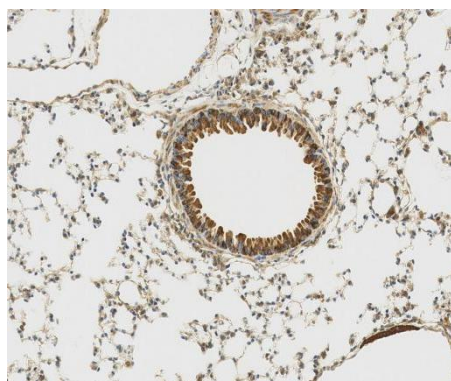
Storage:

Store at -20 °C for one year.

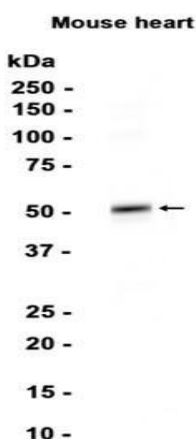
Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Mouse lung, 4% PFA 12-24h



Dilution of 1:50000 incubated at room temperature for 1.5 hours.

Source of Reagents:

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