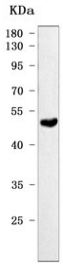
Kcnn4 Antibody / Kca3.1 (RQ8194)

Catalog No.	Formulation	Size
RQ8194	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O89109
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Kcnn4 antibody is available for research use only.



Western blot testing of mouse heart tissue lysate with Kcnn4 antibody. Predicted molecular weight ~48 kDa.

Description

Intermediate conductance calcium-activated potassium channel protein 1 (KCNN4, Kca3.1) is part of a potentially heterotetrameric voltage-independent potassium channel that is activated by intracellular calcium. Activation is followed by membrane hyperpolarization, which promotes calcium influx. KCNN4 may be part of the predominant calcium-activated potassium channel in T-lymphocytes. This gene is similar to other KCNN family potassium channel genes, but it differs enough to possibly be considered as part of a new subfamily.

Application Notes

Optimal dilution of the Kcnn4 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant mouse protein (amino acids Y324-T425) was used as the immunogen for the Kcnn4 antibody.

Storage

After reconstitution, the Kcnn4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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