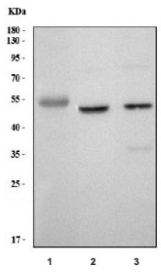
KCNN4 Antibody / KCa3.1 / SKCa4 (R30226)

Catalog No.	Formulation	Size
R30226	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	Discontinued
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O15554
Applications	Western Blot : 0.5-1ug/ml
Limitations	This KCNN4 antibody is available for research use only.



Western blot testing of 1) human placenta, 2) rat brain and 3) mouse brain 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

The stated application concentrations are suggested starting amounts. Titration of the KCNN4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human KCNN4 (RRKRLLEQEKSLAGWA) was used as the immunogen for this 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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