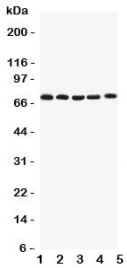
Kv1.4 Antibody (R31421)

Catalog No.	Formulation	Size
R31421	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
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 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P22459
Applications	Western blot: 0.5-1ug/ml
Limitations	This Kv1.4 antibody is available for research use only.



Western blot testing of Kv1.4 antibody and Lane 1: rat brain; 2: human HY1080; 3: (h) PANC; 4: (h) U87; 5: (h) SHG-44 lysate

Description

Potassium voltage-gated channel subfamily A member 4, also known as Kv1.4 or PCN2, is a protein that in humans is encoded by the KCNA4 gene. This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. It is mapped to 11p14.1. KCNA4 belongs to the A-type potassium current class, the members of which may be important in the regulation of the fast repolarizing phase of action potentials in heart and thus may influence the duration of cardiac action potential. KCNA4 also contributes to the cardiac transient outward potassium current(Ito1), the main contributing current to the repolarizing phase 1 of the cardiac action potential. This gene has been shown to interact with DLG4, KCNA2 and DLG1.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Kv1.4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human Kv1.4 (LPEFRDDRDLVMALSA) was used as the immunogen for this Kv1.4 antibody.

Storage

After reconstitution, the Kv1.4 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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