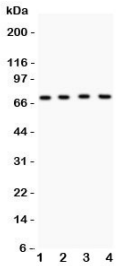
Kv4.1 Antibody (R31669)

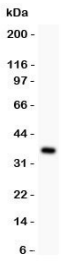
Catalog No.	Formulation	Size
R31669	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
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
Gene ID	3750
Applications	Western blot: 0.5-1ug/ml
Limitations	This Kv4.1 antibody is available for research use only.



Western blot testing of Kv4.1 antibody and Lane 1: mouse brain; 2: human HeLa; 3: (h) COLO320; 4: (h) A549 lysate. Predicted molecular weight: ~71 kDa.



Western blot testing of Kv4.1 antibody and recombinant human protein (0.5ng).

Description

Potassium voltage-gated channel, Shal-related subfamily, member 1 (KCND1), also known as Kv4.1, is a human gene. It is mapped to Xp11.23. Kv4.1 encodes a member of the potassium channel, voltage-gated, shal-related subfamily, members of which form voltage-activated A-type potassium ion channels and are prominent in the repolarization phase of the action potential. The diverse functions of Voltage-gated potassium (Kv) channels include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Kv4.1 is expressed at moderate levels in all tissues analyzed, with lower levels in skeletal muscle.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Kv4.1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 442-647) was used as the immunogen for this Kv4.1 antibody.

Storage

After reconstitution, the Kv4.1 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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