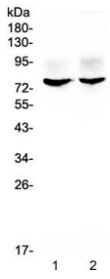
KCNA1 Antibody / Kv1.1 (RQ4666)

Catalog No.	Formulation	Size
RQ4666	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
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 and 0.025% sodium azide
UniProt	Q09470
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml (human recombinant protein)
Limitations	This KCNA1 antibody is available for research use only.



Western blot testing of 1) rat brain and 2) mouse brain lysate with KCNA1 antibody at 0.5ug/ml. Expected molecular weight: 56-85 kDa depending on glycosylation level.

Description

Potassium voltage-gated channel subfamily A member 1, also known as Kv1.1, is a shaker related voltage-gated potassium channel that in humans is encoded by the KCNA1 gene. It is mapped to 12p13.32. The protein functions as a potassium selective channel through which the potassium ion may pass through in consensus with the electrochemical gradient. The N-terminus of the channel is associated with beta subunits that can modify the inactivation properties of the channel as well as affect expression levels. The C-terminus of the channel is complexed to a PDZ domain protein that is responsible for channel targeting.

Application Notes

Optimal dilution of the KCNA1 antibody should be determined by the researcher.

Immunogen

Amino acids E7-N477 from the human protein were used as the immunogen for the KCNA1 antibody.

Storage

After reconstitution, the KCNA1 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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