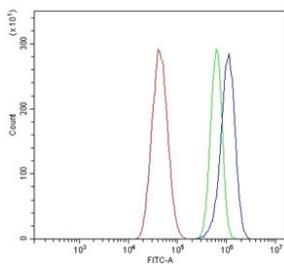


## KCNA1 Antibody / Kv1.1 potassium channel (RQ6138)

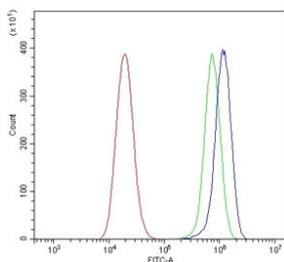
Catalog No.	Formulation	Size
RQ6138	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

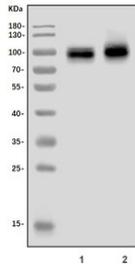
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	Q09470
<b>Applications</b>	Western Blot : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This KCNA1 antibody is available for research use only.



Flow cytometry testing of human U-87 MG cells with KCNA1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= KCNA1 antibody.



Flow cytometry testing of human U-2 OS cells with KCNA1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= KCNA1 antibody.



Western blot testing of 1) rat brain and 2) mouse brain lysate with KCNA1 antibody.  
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

A human recombinant partial protein (amino acids M1-V495) was 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.