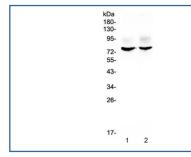


# KCNA1 Antibody / Kv1.1 (RQ4666)

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
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.