

For Research Use Only

KCNA1 Polyclonal antibody, PBS Only

Catalog Number:18067-1-PBS



Basic Information

Catalog Number:

18067-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12699

GenBank Accession Number:

BC101733

GeneID (NCBI):

3736

UNIPROT ID:

Q09470

Full Name:

potassium voltage-gated channel,
shaker-related subfamily, member 1
(episodic ataxia with myokymia)

Calculated MW:

495 aa, 56 kDa

Observed MW:

86 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

Potassium voltage-gated channel subfamily A member 1 (KCNA1, also known as Kv1.1) is a voltage-gated potassium channel that mediates transmembrane potassium transport in excitable membranes, primarily in the brain and the central nervous system, but also in the kidney (PMID: 19903818; 8845167). KCNA1 expression was reduced in human cancers, and this decrease correlated with an increase in breast cancer aggressiveness (PMID: 23774215). Furthermore, Kv1.1 is expressed in the brain as a mature glycoprotein, which is reported to be 86 kDa (PMID: 16305740).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

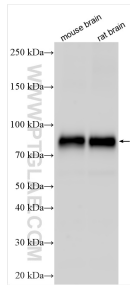
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18067-1-AP (KCNA1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18067-1-PBS in a different storage buffer formulation.