

For Research Use Only

KCNA1 Polyclonal antibody, PBS Only

Catalog Number: 18067-1-PBS



Basic Information

Catalog Number:

18067-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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.

Storage Buffer:

PBS only, pH7.3

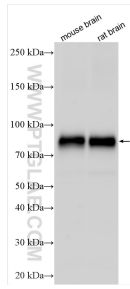
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18067-1-AP (KCNA 1 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.