

For Research Use Only

KCNV1 Polyclonal antibody

Catalog Number: 12684-1-AP



Basic Information

Catalog Number:

12684-1-AP

Concentration:

133 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3376

GenBank Accession Number:

BC028739

GeneID (NCBI):

27012

UNIPROT ID:

Q6PIU1

Full Name:

potassium channel, subfamily V, member 1

Calculated MW:

500 aa, 56 kDa

Observed MW:

56 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : SH-SY5Y cells,

Background Information

Potassium voltage-gated channel subfamily V member 1 (KCNV1, also known as Kv8.1) is a voltage-gated potassium channel that plays a role in the repolarization phase of the action potential (PMID: 39003683). It is involved in regulating neuronal excitability and is essential for maintaining normal electrical signaling in the nervous system (PMID: 38911266). The function of KCNV1 may also include inhibiting specific types of outwardly rectifying potassium channels (PMID: 8670833).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

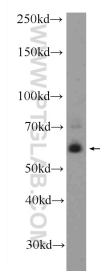
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Selected Validation Data



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 12684-1-AP (KCNV1 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.