

For Research Use Only

# KCNV1 Polyclonal antibody, PBS Only

Catalog Number: 12684-1-PBS



## Basic Information

Catalog Number:

12684-1-PBS

Concentration:

1 mg/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

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

## 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 -80°C.

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

Storage Buffer:

PBS Only

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

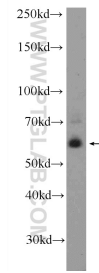
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

## 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. This data was developed using the same antibody clone with 12684-1-PBS in a different storage buffer formulation.