

For Research Use Only

KCNV1 Recombinant antibody

Catalog Number: 85153-3-RR



Basic Information

Catalog Number:

85153-3-RR

Size:

100ul, Concentration: 1000 µg/ml by
Nanodrop;

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:

50 kDa

Purification Method:

Protein A purification

CloneNo.:

242865E3

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, U-87 MG cells, rat brain tissue,
fetal human brain tissue, C6 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

*** 20ul sizes contain 0.1% BSA

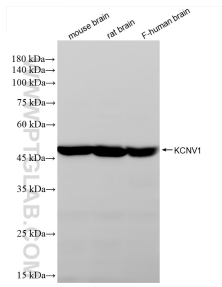
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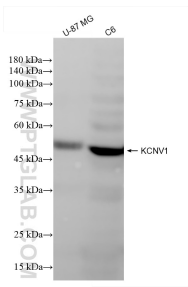
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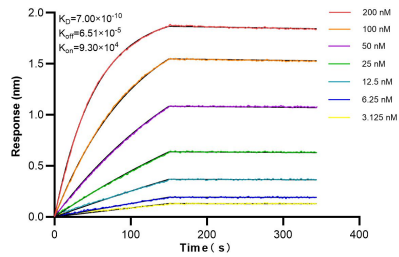
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85153-3-RR (KCNV1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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Biolayer interferometry (BLI) kinetic assays of 85153-3-RR against Human KCNV1 were performed. The affinity constant is 0.70 nM.