

For Research Use Only

SV2C Recombinant monoclonal antibody

Catalog Number: 88136-1-RR



Basic Information

Catalog Number:

88136-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG9076

GenBank Accession Number:

NM_014979.4

GeneID (NCBI):

22987

UNIPROT ID:

Q496J9

Full Name:

synaptic vesicle glycoprotein 2C

Calculated MW:

83 kDa

Observed MW:

120 kDa

Purification Method:

Protein A purification

CloneNo.:

260377A4

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : C6 cells, mouse cerebellum tissue, mouse brain tissue, rat brain tissue, rat cerebellum tissue

Background Information

Members of the synaptic vesicle glycoprotein 2 (SV2) family of proteins are involved in synaptic function throughout the brain. The ubiquitously expressed SV2A has been widely implicated in epilepsy, SV2C as a mediator of dopamine homeostasis and report that disrupted expression of SV2C within the basal ganglia is a pathological feature of PD. Genetic deletion of SV2C leads to reduced dopamine release in the dorsal striatum as measured by fast-scan cyclic voltammetry, reduced striatal dopamine content, disrupted α -synuclein expression, deficits in motor function, and alterations in neurochemical effects of nicotine. SV2C has a calculated molecular weight of ~82 kDa, but is detected at ~120 kDa by Western blot. This discrepancy is mainly due to extensive N glycosylation.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

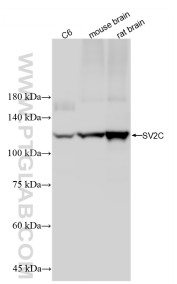
T: 4006900926

E: Proteintech-CN@ptglab.com

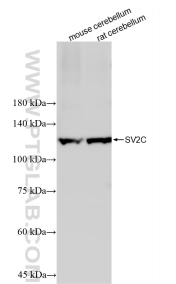
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88136-1-RR (SV2C antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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