

For Research Use Only

SV2C Recombinant monoclonal antibody

Catalog Number: 88136-1-RR



Basic Information

Catalog Number: 88136-1-RR	GenBank Accession Number: NM_014979.4	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 22987	CloneNo.: 260377A4
Source: Rabbit	UNIPROT ID: Q496J9	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: synaptic vesicle glycoprotein 2C	
Immunogen Catalog Number: EG9076	Calculated MW: 83 kDa	
	Observed MW: 120 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : C6 cells, mouse cerebellum tissue, mouse brain tissue, rat brain tissue, rat cerebellum tissue
Species Specificity: human, mouse, rat	

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

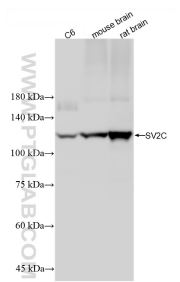
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

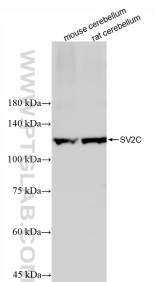
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



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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