

For Research Use Only

SV2C Recombinant monoclonal antibody, PBS Only

Catalog Number: 88136-1-PBS



Basic Information

Catalog Number: 88136-1-PBS	GenBank Accession Number: NM_014979.4	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 22987	CloneNo.: 260377A4
Isotype: IgG	UNIPROT ID: Q496J9	
Immunogen Catalog Number: EG9076	Full Name: synaptic vesicle glycoprotein 2C	
	Calculated MW: 83 kDa	
	Observed MW: 120 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

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 -80°C.

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

Storage Buffer:
PBS only, pH7.3

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

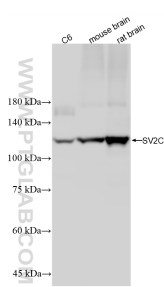
T: 4006900926

E: Proteintech-CN@ptglab.com

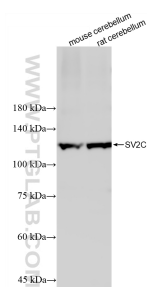
W: ptgcn.com

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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. This data was developed using the same antibody clone with 88136-1-PBS in a different storage buffer formulation.



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