

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
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 22987	CloneNo.: 260377A4
Source: Rabbit	UNIPROT ID: Q496J9	
Isotype: IgG	Full Name: synaptic vesicle glycoprotein 2C	
Immunogen Catalog Number: EG9076	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

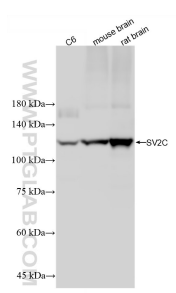
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

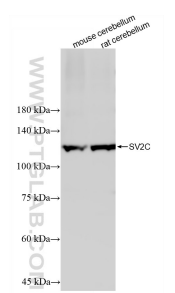
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



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



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