SV2B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SV2B, Polyclonal Antibody
Full Product Name	SV2B (Synaptic Vesicle Glycoprotein 2B, HsT19680, KIAA0735) (MaxLight 490)
Product Gene Name	anti-SV2B antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human SV2B.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Immunogen	Full length human SV2B, aa1-683 (NP_055663.1).
Immunogen Sequence	MDDYKYQDNYGGYAPSDGYYRGNESNPEEDAQSDVTEGHDEEDEIYEGEYQGIPHPDDVKAKQAKMAPSRMDSLRGQTDLMAERLEDEEQLAHQYET
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-SV2B antibody	Antibodies; Neuroscience
Applications Tested/Suitable for anti-SV2B antibody	Western Blot (WB)
Application Notes for anti-SV2B antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-SV2B antibody	MaxLight490 is a new Blue-Green photostable dye conjugate comparable to DyLight488, Alexa Fluor488 and offers better labeling efficiency, brighter i
Other Notes	Small volumes of anti-SV2B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa
Searchable Terms for SV2B purchase	MBS6395703 is an antibody targeting SV2B. Also known as SV2B (Synaptic Vesicle Glycoprotein 2B, HsT19680, KIAA0735) (MaxLight 490). Reactive

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SV2B. It may not necessarily be applicable to this product.

NCBI GI #	89886487
NCBI GeneID	9899
NCBI Accession #	NM_014848.3
UniProt Related Accession #	Q7L1I2
GenBank Nucleotide #	NM_014848.3
NCBI Official Full Name	Homo sapiens synaptic vesicle glycoprotein 2B (SV2B), mRNA
NCBI Official Synonym Full Names	synaptic vesicle glycoprotein 2B
NCBI Official Symbol	SV2B
NCBI Official Synonym Symbols	HsT19680
Protein Family	Synaptic vesicle glycoprotein
NCBI Protein Information	synaptic vesicle glycoprotein 2B
NCBI Summary for SV2B	This gene encodes a member of the synaptic vesicle proteins 2 (SV2) family and major facilitator superfamily of proteins. This protein and other members of the family are localized to synaptic vesicles and may function in the regulation of vesicle trafficking and exocytosis. Studies in mice suggest that the encoded protein may act as a protein receptor for botulinum neurotoxin E in neurons, and that this protein may be important for the integrity of the glomerular filtration barrier. This gene shows reduced expression in areas of synaptic loss in the hippocampus of human temporal lobe epilepsy patients. [provided by RefSeq, Sep 2016]
Research Articles on SV2B	**1.** In classical mesial temporal sclerosis 1A, the expression of SV2 isoforms is altered with a marked decrease of SV2B paralleling synaptic loss.
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