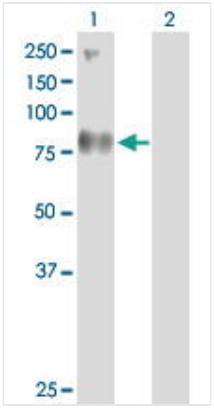
# SV2B Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | SV2B, Polyclonal Antibody |
| **Full Product Name** | SV2B (Synaptic Vesicle Glycoprotein 2B, HsT19680, KIAA0735) (AP) |
| **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 Alkaline Phosphatase (AP). |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Specificity** | Recognizes human SV2B. |
| **Preparation and Storage** | Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only pri |
| **Immunogen** | Full length human SV2B, aa1-683 (NP_055663.1). |
| **Immunogen Sequence** | MDDYKYQDNYGGYAPSDGYYRGNESNPEEDAQSDVTEGHDEEDEIYEGEYQGIPHPDDVKAKQAKMAPSRMDSLRGQTDLMAERLEDEEQLAHQYET |
| **Conjugate** | AP |
| **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** | MBS6395697 is an antibody targeting SV2B. Also known as SV2B (Synaptic Vesicle Glycoprotein 2B, HsT19680, KIAA0735) (AP). Reactive in Human |
| **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 |




**Western Blot (WB) of anti-SV2B antibody**
Western Blot analysis of SV2B expression in transfected 293T cell line by SV2B polyclonal antibody. Lane 1: SV2B transfected lysate (77.4kD). Lane 2: Non-transfected lysate.

## ADDITIONAL DETAILS

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

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| **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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