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Datasheet for ABIN1390846

anti-SV2C antibody (AA 451-550) (Alexa Fluor 488)

Overview

| | |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity: | 100 µL |
| Target: | SV2C |
| Binding Specificity: | AA 451-550 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SV2C antibody is conjugated to Alexa Fluor 488 |
| Application: | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

| | |
|-----------------------|----------------------------------------------------------|
| Immunogen: | KLH conjugated synthetic peptide derived from human SV2C |
| Isotype: | IgG |
| Predicted Reactivity: | Human,Mouse,Rat,Pig,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|----------------------------------------------------|
| Target: | SV2C |
| Alternative Name: | SV2C (SV2C Products) |
| Background: | Synonyms: Synaptic vesicle protein 2c, SV2C_HUMAN. |

Target Details

Background: In all vertebrates, SV2 proteins are abundant, hydrophobic, membrane glycoproteins that are expressed as two major isoforms, SV2A and SV2B, and one minor isoform, SV2C. SV2 proteins are differentially expressed in the brain and are present on all synaptic vesicles, independent of transmitter type. SV2A is abundantly expressed in the subcortex, specifically in the synaptic vesicles of all presynaptic nerve terminals, and also in most neuroendocrine secretory granules. SV2B displays a more restricted pattern of expression in that it is only present on a small subset of synapses in the hippocampus and cortex. SV2A and SV2B are functionally redundant and are required for maintaining normal brain function in vertebrates. SV2A and SV2B mediate synaptic transmission by regulating cytoplasmic Ca²⁺ levels in the nerve terminal during repetitive stimulation.

Gene ID: 22987

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months