Datasheet for ABIN1742258

anti-SV2B antibody (AA 2-17)

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Overview

Quantity:	200 µL
Target:	SV2B
Binding Specificity:	AA 2-17
Reactivity:	Human, Mouse, Rat, Hamster, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)

Product Details

Immunogen:	Synthetic peptide DDYRYRDNYEGYAPND (aa 2-17 in rat) coupled to key-hole limpet hemocyanin via an added N-terminal cysteine residue.
Specificity:	Specific for SV2 B.
Purification:	antiserum

Target Details

Target:	SV2B
Alternative Name:	SV2 B (SV2B Products)

Application Details

Application Notes:	WB: 1 : 1000 (AP staining)

Application Details

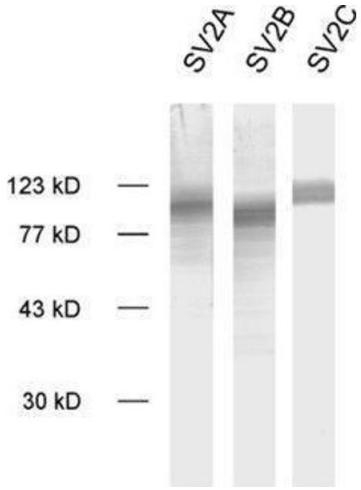
	ICC: 1 : 200
Comment:	WB: SV2 aggregates after boiling, making it necessary to run SDS-PAGE only with non-boiled samples.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS
Handling Advice:	Crude antisera are more robust than monoclonals. With anti-microbials added, they may be stored at 4 °C. Serum does not contain active proteases, in fact, serum itself contains a powerful cocktail of protease inhibitors. Frozen storage (-20 °C),however, is preferable.
Storage:	4 °C/-20 °C
Storage Comment:	Unlabeled antibodies are stable in this form without loss of quality at ambient temperatures for several weeks or even months. They can be stored at 4 °C for several years.

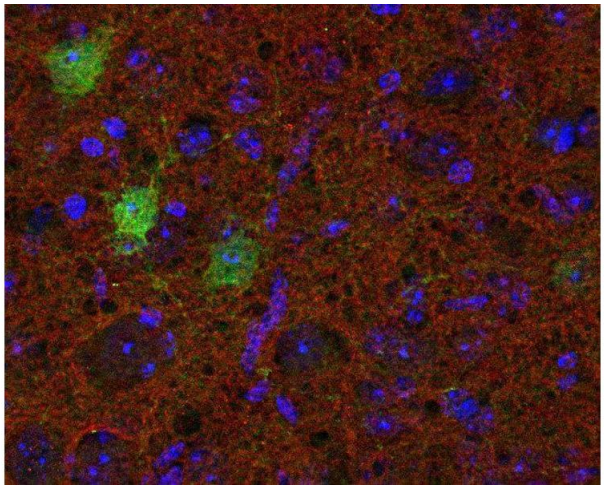
Publications

Product cited in:	Matthäus, Haddjeri, Sánchez, Martí, Bahri, Rovera, Schloss, Lau: "The allosteric citalopram binding site differentially interferes with neuronal firing rate and SERT trafficking in serotonergic neurons." in: **European neuropsychopharmacology : the journal of the European College of Neuropsychopharmacology**, Vol. 26, Issue 11, pp. 1806-1817, (2016) (PubMed). Andres, Keyser, Petrali, Benton, Hubbard, McNutt, Ray: "Morphological and functional differentiation in BE(2)-M17 human neuroblastoma cells by treatment with Trans-retinoic acid." in: **BMC neuroscience**, Vol. 14, pp. 49, (2013) (PubMed). Lau, Heimann, Bartsch, Schloss, Weber: "Nongenomic, glucocorticoid receptor-mediated regulation of serotonin transporter cell surface expression in embryonic stem cell derived serotonergic neurons." in: **Neuroscience letters**, Vol. 554, pp. 115-20, (2013) (PubMed). There are more publications referencing this product on: Product page



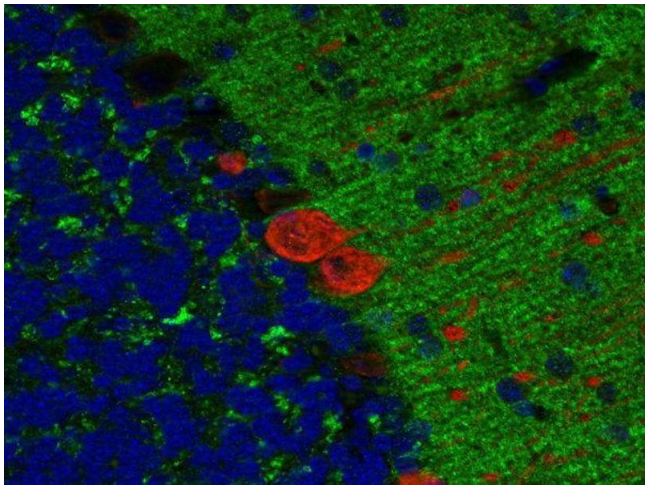
Western Blotting

Image 1. dilution: 1 : 1000, sample: crude synaptic vesicle fraction of rat brain (LP2)



Immunohistochemistry

Image 2. Indirect immunolabeling of PFA fixed mouse cortex section with anti-SV2 B (dilution 1 : 200; red) and guinea pig anti-calbindin (cat. no. 214 004, dilution 1 : 200; green). Nuclei have been visualized by DAPI staining (blue).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Indirect immunostaining of paraffin embedded mouse cerebellum section with anti-SV2B (dilution 1 : 200; green) and mouse anti-calbindin (cat. no. 214 011, dilution 1 : 200; red). Nuclei have been visualized by DAPI staining (blue).

