Datasheet for ABIN1742257

anti-SV2B antibody (AA 2-17)

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Overview

Quantity:	100 µg
Target:	SV2B
Binding Specificity:	AA 2-17
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
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.
Clone:	246E8
Isotype:	IgG2b
Specificity:	Specific for SV2 B.
Purification:	purified IgG

Target Details

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

Application Details

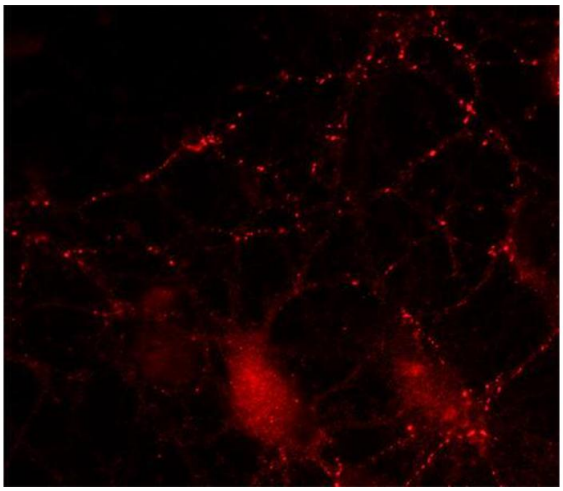
Application Notes:	WB: 1 : 1000 (AP staining) ICC: 1 : 100 up to 1 : 500 IHC: 1 : 200 IHC-P: 1 : 500
Comment:	WB: SV2 aggregates after boiling, making it necessary to run SDS-PAGE only with non-boiled samples.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	For reconstitution add 100 µL H2O to get a 1mg/ml solution of antibody in PBS. Then aliquot and store at -20 °C until use.
Buffer:	PBS, 0.02% sodium azide (= 0.02 µg)
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not store diluted antibody solutions unless you add detergent or carrier proteins such as goat serum, BSA or others. IgG sticks to glass and plastic. Any IgG solution below 0.1 mg/mL protein will quickly adsorb and denature and thus loose activity! Repetitive freeze-thawing of dilute purified IgG is almost certain to lead to substantial losses.
Storage:	-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.

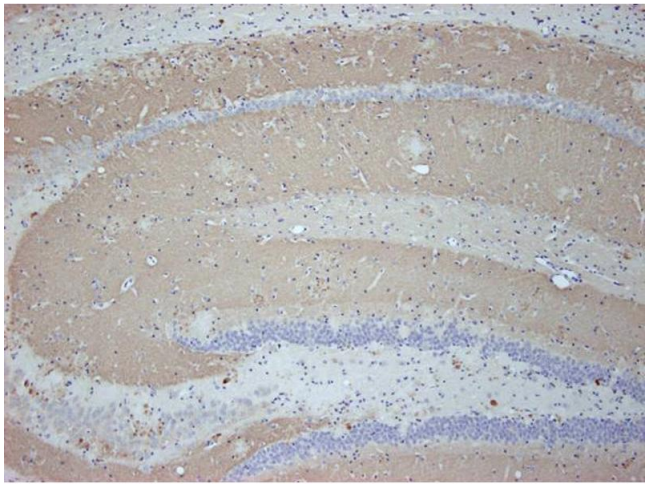
Publications

Product cited in:	Bozdagi, Sakurai, Dorr, Pilorge, Takahashi, Buxbaum: "Haploinsufficiency of Cyfip1 produces fragile X-like phenotypes in mice." in: **PLoS ONE**, Vol. 7, Issue 8, pp. e42422, (2012) (PubMed). Steffen, Faix, Resch, Linkner, Wehland, Small, Rottner, Stradal: "Filopodia formation in the absence of functional WAVE- and Arp2/3-complexes." in: **Molecular biology of the cell**, Vol. 17, Issue 6, pp. 2581-91, (2006) (PubMed).



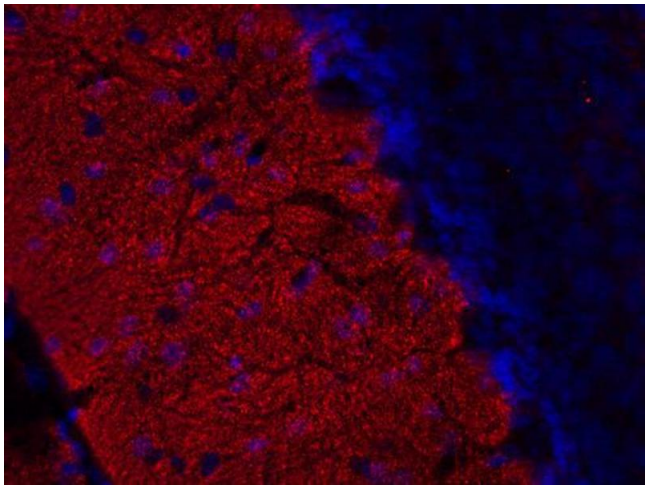
Immunocytochemistry

Image 1. Indirect immunostaining of cultured hippocampus neurons (dilution 1 : 200).



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunostaining of paraffin embedded sections from mouse brain (dilution 1 : 500). Immunoreactivity was revealed using diaminobenzidine as chromagen. Nuclei were counterstained with haematoxylin (blue).



Immunohistochemistry

Image 3. Indirect immunofluorescence labeling of a PFA fixed mouse cerebellum section (dilution 1 : 200; red). Nuclei have been visualized by DAPI staining (blue).

Please check the product details page for more images. Overall 4 images are available for ABIN1742257.