



Datasheet for ABIN1742209

## anti-Synapsin III antibody (AA 417-434)

3 Images

1 Publication



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### Overview

Quantity:	50 µg
Target:	Synapsin III (SYN3)
Binding Specificity:	AA 417-434
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Synapsin III antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC)

### Product Details

Immunogen:	Synthetic peptide (aa 417-434 of mouse synapsin 3) coupled to KLH via an N-terminal added cysteine.
Specificity:	Specific for synapsins 3
Cross-Reactivity (Details):	no cross-reactivity to synapsin 1 and synapsin 2.
Purification:	Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization.

### Target Details

Target:	Synapsin III (SYN3)
Alternative Name:	Synapsin 3 ( <a href="#">SYN3 Products</a> )

## Application Details

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Application Notes:           WB: 1 : 1000 (AP staining)  
                                      IP: not tested yet  
                                      ICC: 1 : 500  
                                      IHC: 1 : 500

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Restrictions:                 For Research Use only

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## Handling

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Format:                        Lyophilized

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Reconstitution:             For reconstitution add 50 µL H<sub>2</sub>O to get a 1mg/ml solution of antibody in PBS. Then aliquot and store at -20 °C until use.

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Buffer:                        PBS

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Handling Advice:            Affinity purified antibodies are less robust than antisera, since protease inhibitors are also removed during purification. Hence, storage at 4 °C for prolonged periods (i.e. several weeks), is not recommended.

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Storage:                      -20 °C

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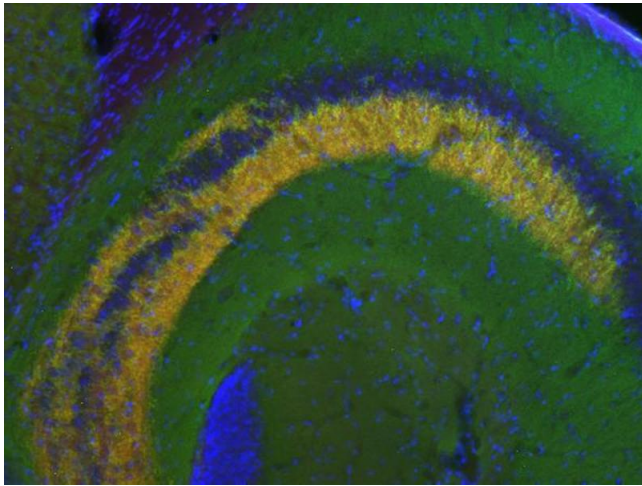
Storage Comment:            Unlabeled lyophilized antibodies are stable in this form without loss of quality at ambient temperatures for several weeks or even months. They can be stored at 4°C for several years. Lyophilized antibodies must not be stored in the freezer, they may be destroyed!

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## Publications

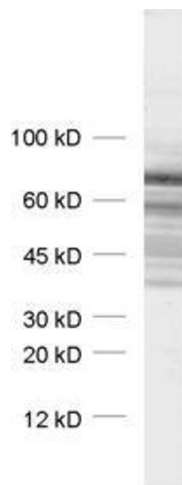
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Product cited in:            Piccini, Perlini, Cancedda, Benfenati, Giovedi: "Phosphorylation by PKA and Cdk5 Mediates the Early Effects of Synapsin III in Neuronal Morphological Maturation." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 35, Issue 38, pp. 13148-59, (2015) ([PubMed](#)).



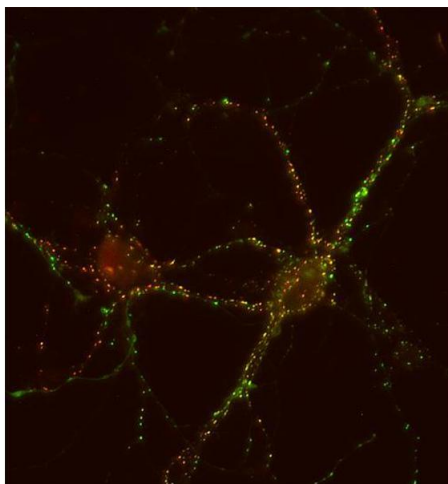
### Immunohistochemistry

**Image 1.** Indirect immunostaining of a PFA fixed mouse hippocampus section with anti-synapsin 3 (dilution 1 : 500; red) and guinea pig anti-synapsin 1,2 (cat. no. 106 004, dilution 1 : 500; green). Nuclei have been visualized by DAPI staining.



### Western Blotting

**Image 2.** dilution: 1 : 1000, sample: synaptic vesicle fraction of rat brain (LP2)



### Immunocytochemistry

**Image 3.** Indirect immunolabeling of PFA fixed rat hippocampus neurons with anti-synapsin 3 (1 : 500; red) and mouse anti-synapsin 1 (cat. no. 106 001, dilution 1 : 500; green)