



[Go to Product page](#)

Datasheet for ABIN7043788

## anti-Synapsin III antibody (C-Term, Extracellular)

### 3 Images

#### Overview

Quantity:	50 µL
Target:	Synapsin III (SYN3)
Binding Specificity:	AA 510-523, C-Term, Extracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Synapsin III antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

#### Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)RPPVQGRSTSQQGE, corresponding to amino acid residues 510-523 of rat Synapsin III
Isotype:	IgG
Characteristics:	Anti-Synapsin III (SYN3) Antibody (ABIN7043788, ABIN7044664 and ABIN7044665) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize Synapsin III from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

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Target:	Synapsin III (SYN3)
Abstract:	<a href="#">SYN3 Products</a>
Background:	Alternative names: Synapsin III (SYN3), Synapsin-3
Gene ID:	29130
NCBI Accession:	<a href="#">NM_001135774</a>
UniProt:	<a href="#">O70441</a>

## Application Details

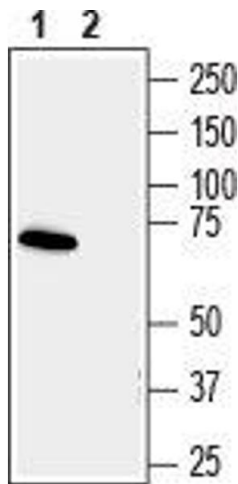
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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

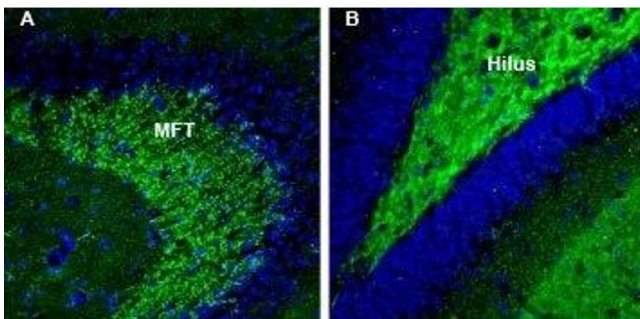
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Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



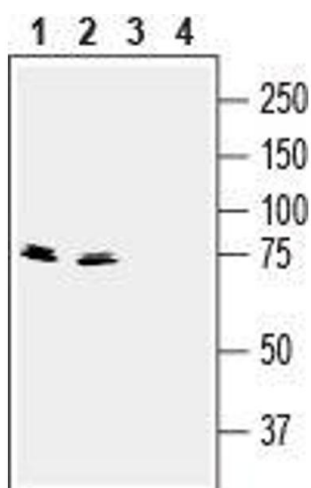
### Western Blotting

**Image 1.** Western blot analysis human SH-SY5Y neuroblastoma cell line lysate: - 1. Anti-Synapsin III (SYN3) Antibody (ABIN7043788, ABIN7044664 and ABIN7044665), (1:200).2. Anti-Synapsin III (SYN3) Antibody, preincubated with Synapsin III/SYN3 Blocking Peptide (#BLP-NR017).



### Immunohistochemistry

**Image 2.** Expression of Synapsin 3 in mouse and rat hippocampus - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections with Anti-Synapsin III (SYN3) Antibody (ABIN7043788, ABIN7044664 and ABIN7044665), (1:200), followed by goat anti-rabbit-AlexaFluor-488. A. SYN3 staining (green) in mouse hippocampal CA3 region is detected in the mossy fiber terminal (MFT) region. B. In rat hippocampal dentate gyrus (DG) region, SYN3 immunoreactivity (green) is observed in hilus of the dentate gyrus. Cell nuclei are stained with DAPI (blue).



### Western Blotting

**Image 3.** Western blot analysis of mouse (lanes 1 and 3) and rat (lanes 2 and 4) brain lysates: - 1,2. Anti-Synapsin III (SYN3) Antibody (ABIN7043788, ABIN7044664 and ABIN7044665), (1:400).3,4. Anti-Synapsin III (SYN3) Antibody, preincubated with Synapsin III/SYN3 Blocking Peptide (#BLP-NR017).