

Datasheet for ABIN7210003  
**anti-SYN1 antibody**

5 Images



[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	SYN1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYN1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Synapsin I Polyclonal Antibody
Immunogen:	Synthesized peptide derived from human Synapsin I around the non-phosphorylation site of S9
Isotype:	IgG
Specificity:	Synapsin I Polyclonal Antibody detects endogenous levels of Synapsin I protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

## Target Details

Target:	SYN1
Alternative Name:	Synapsin I ( <a href="#">SYN1 Products</a> )

## Target Details

---

**Background:** Rabbit Anti-Synapsin I Polyclonal Antibody, SYN1, Synapsin-1, Brain protein 4.1, Synapsin I, SYN1 is a member of the synapsin gene family. Synapsins encode neuronal phosphoproteins which associate with the cytoplasmic surface of synaptic vesicles. Family members are characterized by common protein domains, and they are implicated in synaptogenesis and the modulation of neurotransmitter release, suggesting a potential role in several neuropsychiatric diseases. This member of the synapsin family plays a role in regulation of axonogenesis and synaptogenesis. Synapsin-1 encoded serves as a substrate for several different protein kinases and phosphorylation may function in the regulation of this protein in the nerve terminal. Mutations in this gene may be associated with X-linked disorders with primary neuronal degeneration such as Rett syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified., Synapsin-1

**Gene ID:** 6853

**UniProt:** [P17600](#)

## Application Details

---

**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IF (1:200-1:1000), IHC-P (1:100-1:300), ELISA (1:20000). Not yet tested in other applications.

**Restrictions:** For Research Use only

## Handling

---

**Format:** Liquid

**Concentration:** 1 mg/mL

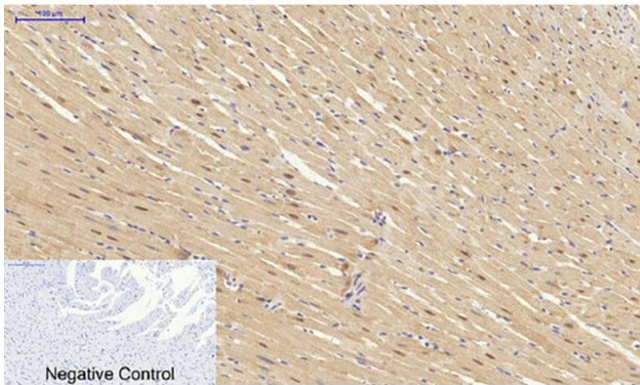
**Buffer:** PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.

**Preservative:** Sodium azide

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

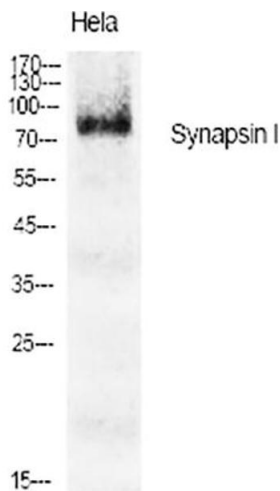
**Storage:** -20 °C

**Storage Comment:** Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.



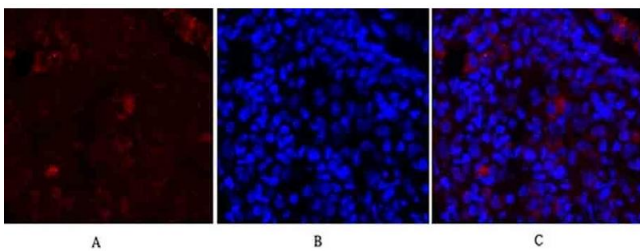
### Immunohistochemistry

**Image 1.** Immunohistochemical analysis of paraffin-embedded rat heart tissue. 1, Synapsin I Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



### Western Blotting

**Image 2.** Western Blot analysis of various cells using Synapsin I Polyclonal Antibody diluted at 1:1000.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of rat lung tissue. 1, Synapsin I Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7210003.