



[Go to Product page](#)

Datasheet for ABIN6265395

## anti-SYNPO2 antibody (Internal Region)

### 2 Images

#### Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | SYNPO2  |
| Binding Specificity: | Internal Region                                   |
| Reactivity:          | Human, Mouse, Rat                                 |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This SYNPO2 antibody is un-conjugated             |
| Application:         | Immunohistochemistry (IHC), Western Blotting (WB) |

#### Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | A synthesized peptide derived from human Synaptopodin, corresponding to a region within the internal amino acids.         |
| Isotype:              | IgG   |
| Specificity:          | Synaptopodin Antibody detects endogenous levels of total Synaptopodin.  |
| Predicted Reactivity: | Bovine,Horse  |
| Purification:         | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

#### Target Details

|         |        |
|---------|--------|
| Target: | SYNPO2 |
|---------|--------|

## Target Details

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Alternative Name: [SYNPO2 \(SYNPO2 Products\)](#)

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Background: Description: Has an actin-binding and actin-bundling activity. Can induce the formation of F-actin networks in an isoform-specific manner (PubMed:24005909, PubMed:23225103). At the sarcomeric Z lines is proposed to act as adapter protein that links nascent myofibers to the sarcolemma via ZYX and may play a role in early assembly and stabilization of the Z lines. Involved in autophagosome formation. May play a role in chaperone-assisted selective autophagy (CASA) involved in Z lines maintenance in striated muscle under mechanical tension, may link the client-processing CASA chaperone machinery to a membrane-tethering and fusion complex providing autophagosome membranes (By similarity). Involved in regulation of cell migration (PubMed:22915763, PubMed:25883213). May be a tumor suppressor (PubMed:16885336).

Gene: SYNPO2

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Molecular Weight: 99-115 kDa

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Gene ID: 171024

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UniProt: [Q9UMS6](#)

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## Application Details

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Application Notes: WB 1:500-1:2000, IHC 1:50-1:200

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 mg/mL

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Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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Preservative: Sodium azide

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

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Storage: -20 °C

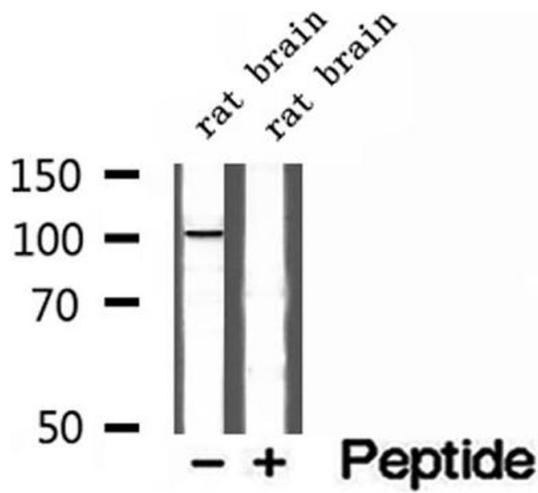
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Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt.

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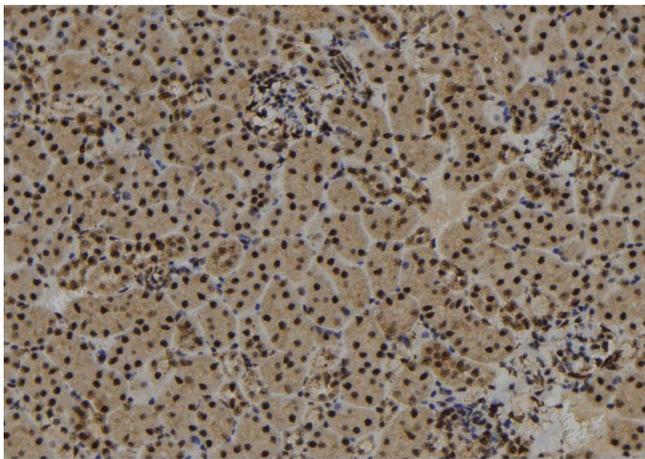
Expiry Date: 12 months

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### Western Blotting

**Image 1.** Western blot analysis of extracts of rat brain tissue, using Synaptopodin antibody.



### Immunohistochemistry

**Image 2.** ABIN6273017 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.