

## Synaptophysin antibody [GT2589]

Cat. No. GTX633972

|              |                   |
|--------------|-------------------|
| Host         | Mouse             |
| Clonality    | Monoclonal        |
| Isotype      | IgG2b             |
| Applications | WB, ICC/IF, IHC-P |
| Reactivity   | Human, Mouse, Rat |

★★★★★ Review ( 1 )

Package  
100 µl, 25 µl

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution | Recommended dilution |
|--------------------|----------------------|
| WB                 | 1:5000-1:20000       |
| ICC/IF             | 1:100-1:1000         |
| IHC-P              | 1:100-1:1000         |

Not tested in other applications.

Observed MW (kDa) 40 kDa.

## Properties

|               |  |
|---------------|--|
| Form          | Liquid   |
| Buffer        | PBS  |
| Preservative  | No preservatives   |
| Storage       | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |
| Concentration | 1 mg/ml (Please refer to the vial label for the specific concentration.)   |
| Immunogen     | Recombinant protein encompassing a sequence within the C-terminus region of human Synaptophysin. The exact sequence is proprietary.  |
| Purification  | Affinity purified by Protein A.  |
| Conjugation   | Unconjugated   |

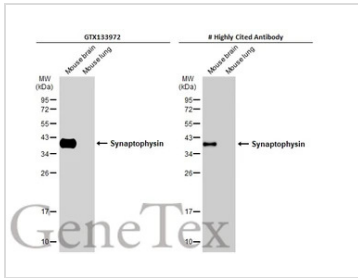
## Note

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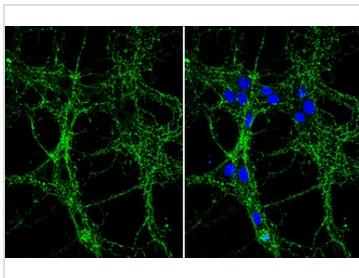
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DATA IMAGES



### GTX633972 WB Image

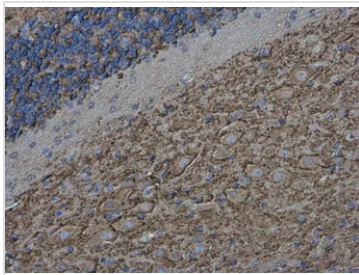
Various tissue extracts (50  $\mu$ g) were separated by 12% SDS-PAGE, and the membrane was blotted with Synaptophysin antibody [GT2589] (GTX633972) diluted at 1:10000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



### GTX633972 ICC/IF Image

Synaptophysin antibody [GT2589] detects Synaptophysin protein by immunofluorescent analysis. Sample: DIV9 rat E18 primary hippocampal neuron cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: Synaptophysin stained by Synaptophysin antibody [GT2589] (GTX633972) diluted at 1:500.  
Blue: Fluoroshield with DAPI (GTX30920).



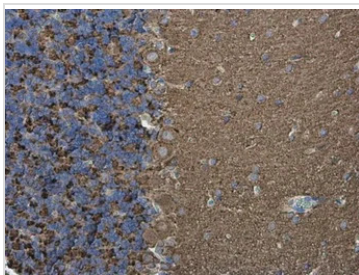
### GTX633972 IHC-P Image

Synaptophysin antibody [GT2589] detects Synaptophysin protein at cell membrane in mouse brain by immunohistochemical analysis.

Sample: Paraffin-embedded mouse brain.

Synaptophysin antibody [GT2589] (GTX633972) diluted at 1:200.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



### GTX633972 IHC-P Image

Synaptophysin antibody [GT2589] detects Synaptophysin protein at cell membrane in rat brain by immunohistochemical analysis.

Sample: Paraffin-embedded rat brain.

Synaptophysin antibody [GT2589] (GTX633972) diluted at 1:200.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



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