

# Synaptotagmin 1 (phospho Thr202) + Synaptotagmin 2 (phospho Thr199) antibody

**Cat. No. GTX82584**

|                     |            |
|---------------------|------------|
| <b>Host</b>         | Rabbit     |
| <b>Clonality</b>    | Polyclonal |
| <b>Isotype</b>      | IgG        |
| <b>Applications</b> | WB, IHC    |
| <b>Reactivity</b>   | Rat        |

**Package**

100 µl

## Applications

### Application Note

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

| Suggested dilution | Recommended dilution |
|--------------------|----------------------|
| WB                 | Assay dependent      |
| IHC                | Assay dependent      |

Not tested in other applications.

**Calculated MW** 47 kDa. ( [Note](#) )

**Product Note** The sequence around Synaptotagmin 1 (phospho Thr202) is conserved with the sequence around Synaptotagmin 2 (phospho Thr199).

## Properties

|                      |                                                                                                                                                                                                                            |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Form</b>          | Liquid                                                                                                                                                                                                                     |
| <b>Buffer</b>        | 10mM HEPES, 150mM NaCl, 0.01% BSA, 50% Glycerol                                                                                                                                                                            |
| <b>Preservative</b>  | No preservatives                                                                                                                                                                                                           |
| <b>Storage</b>       | 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. |
| <b>Concentration</b> | Batch dependent (Please refer to the vial label for the specific concentration.)                                                                                                                                           |
| <b>Immunogen</b>     | Synthetic phospho-peptide corresponding to amino acid residues surrounding Thr202 conjugated to KLH                                                                                                                        |
| <b>Purification</b>  | Affinity Purified                                                                                                                                                                                                          |
| <b>Conjugation</b>   | Unconjugated                                                                                                                                                                                                               |



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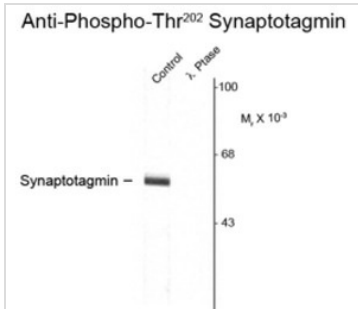
Date 2026 / 10 / 13 Page 1 of 2

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## Note

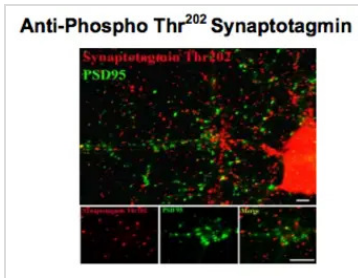
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## DATA IMAGES



### GTx82584 WB Image

Western blot of rat cortex lysate showing specific immunolabeling of the ~62k synaptotagmin phosphorylated at Thr202 (Control). Phosphospecificity is shown in the second lane (lambda-phosphatase: λ-Ptase).



### GTx82584 IHC Image

Immunostaining of 14 DIV rat cortical neurons showing synaptotagmin when phosphorylated at Thr202 in red and PSD95 in green



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