

Synaptophysin antibody

Cat. No. GTX100865

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, IHC-Fr, IHC-Wm
Reactivity	Human, Mouse, Rat

References (25)

 Review (3)

Package

100 µl, 25 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	1:500-1:50000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IHC-Fr	Assay dependent
IHC-Wm	Assay dependent

Not tested in other applications.

Calculated MW 34 kDa. ([Note](#))

Properties

Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	0.025% ProClin 300
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	1.65 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	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated



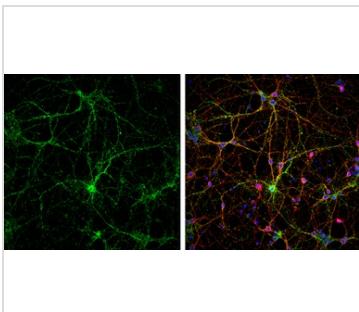
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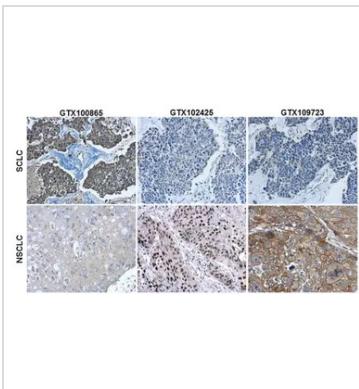
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Note

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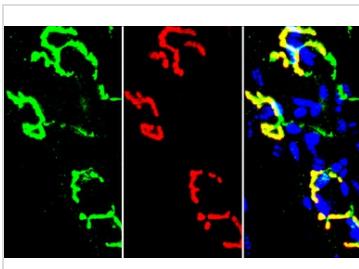
DATA IMAGES**GTX100865 ICC/IF Image**

Synaptophysin antibody detects Synaptophysin protein at synaptic vesicles by immunofluorescent analysis. Sample: DIV9 rat E18 primary cortical neurons were fixed in 4% paraformaldehyde at RT for 15 min. Green: Synaptophysin protein stained by Synaptophysin antibody (GTX100865) diluted at 1:500. Red: beta Tubulin 3/ Tuj1, stained by beta Tubulin 3/ Tuj1 antibody [GT11710] (GTX631836) diluted at 1:500. Blue: Fluoroshield with DAPI (GTX30920).

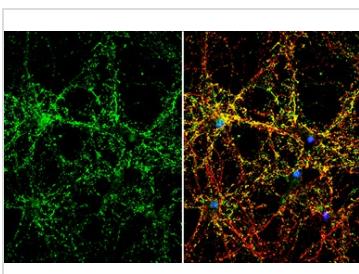
**GTX100865 IHC-P Image**

Immunohistochemical characterization of Synaptophysin (GTX100865), p63 (GTX102425) and Cytokeratin 7 (GTX109723) in human small cell lung cancer (SCLC) and non-small cell lung cancer (NSCLC) specimens. Sample: Paraffin-embedded human SCLC (upper panel) and NSCLC (lower panel). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6) for 15 mins. The section was then incubated with primary antibody at 1:500 overnight at 4°C and detected using an HRP conjugated avidin-biotin-peroxidase Complex system. DAB was used as the chromogen and counterstained with haematoxylin.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

**GTX100865 IHC-Fr Image**

Synaptophysin antibody detects Synaptophysin protein by immunohistochemical analysis. Sample: Frozen-sectioned mouse muscle. Green: Synaptophysin stained by Synaptophysin antibody (GTX100865) diluted at 1:250. Red: α -Bungarotoxin, stained by α -Bungarotoxin, Alexa Fluor™ 594 conjugate (B13423) diluted at 1:5000. Blue: Hoechst 33342 staining.

**GTX100865 ICC/IF Image**

Synaptophysin antibody detects Synaptophysin protein by immunofluorescent analysis. Sample: DIV10 rat E18 primary hippocampal neuron cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Synaptophysin stained by Synaptophysin antibody (GTX100865) diluted at 1:500. Red: Tau, stained by Tau antibody [GT287] (GTX634809) diluted at 1:500. Blue: Fluoroshield with DAPI (GTX30920).



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