

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

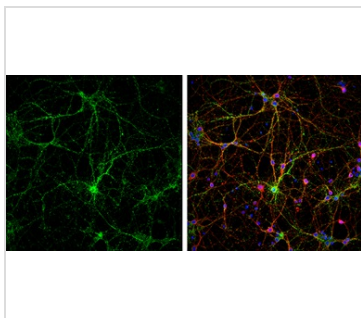


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Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

GTx100865 ICC/IF Image

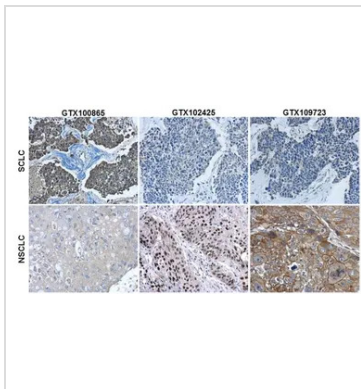
Synaptophysin antibody detects Synaptophysin protein at synaptic vesicles by immunofluorescent analysis.

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).

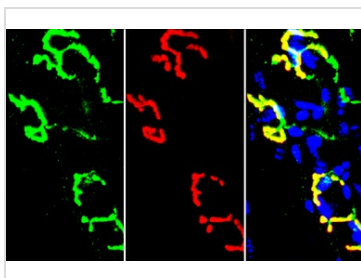

GTx100865 IHC-P Image

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

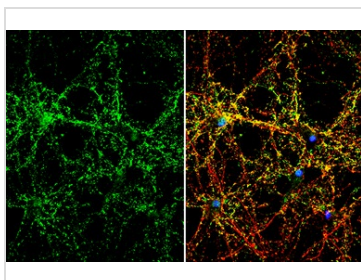
Synaptophysin antibody detects Synaptophysin protein by immunohistochemical analysis.

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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