



Rev: A

Release Date: 05/18/2014

IVD

Synaptophysin- GR007

Clone	GR007
Source	Rabbit Monoclonal
Cat #	PR102-6ml RTU PR102-3ml RTU HA102-6ml RTU CR102-0.1ml Conc CR102-0.5ml Conc
Regulatory Status	IVD

Intended Use:

This antibody is intended for use to qualitatively identify Synaptophysin by light microscopy in formalin fixed, paraffin embedded tissue sections using immunohistochemical detection methodology. Interpretation of any positive or negative staining must be complemented with the evaluation of proper controls and must be made within the context of the patient's clinical history and other diagnostic tests. A qualified pathologist must perform evaluation of the test.

Summary and Explanation:

The Synaptophysin is expressed in presynaptic vesicles of various kinds of neurons. This antibody has specific staining of neuronal, adrenal, and neuroepithelial tumors. Positive results may be a useful tool for the identification of a wide spectrum of neuroendocrine neoplasms. Differential diagnosis is aided by the results from a panel of antibodies. Nuclear staining may be present in some tissues when using heat-induced epitope retrieval (HIER). It shall not be considered as specific staining.

Isotype: N/A

Reagent Provided:

Concentrated format: Antibody to Synaptophysin is diluted in antibody diluent, with 1% bovine serum albumin (BSA) and 0.05% sodium azide (NaN₃). Recommended dilutions: 1:50 – 1:100. The antibody dilution and protocol may vary depending on the specimen preparation and specific application. Optimal conditions should be determined by individual laboratory.

Pre-diluted format: PathnSitu ready to use antibodies are pre-titrated to optimal staining conditions. Further dilution may lose the activity and may yield to sub-optimal staining.

Storage Recommendations: Store at 2°-8°C. Do not use after expiration date provided on the vial.

Staining Recommendations:

Antigen Retrieval Solution: Use **CitrateBuffer(PathnSitu Cat # PS007)** as antigen retrieval solution
Heat Retrieval Method: Retrieve sections under steam pressure for 15 min using PathnSitu's MERS (Multi Epitope Retrieval System) then allow solution to cool for 10 minutes then transfer tissue sections/slides to distilled water.

Primary Antibody: Cover the tissue sections with primary antibody and incubate for 30 min at room temperature when used PathnSitu PolyExcel Detection System.

Detection System: Refer to PathnSitu PolyExcel detection system protocol or manufacturer's detection kit staining protocol when used other vendor detection system.

Cellular Localization: Cytoplasm

Positive Control: Neuro endocrine tumor, Pancreas.

Troubleshooting: Follow the antibody specific protocol recommendations according to data sheet provided. If unusual results occur, contact PathnSitu Technical Support at 040-2701 5544 or techsupport@pathnsitu.com.

Limitations and Warranty: There are no warranties, expressed or implied, which extend beyond this description. PathnSitu is not liable for property damage, personal injury, or economic loss caused by this product.

Bibliography:

1. Navone F, et al. J Cell Biol. 1986 Dec;103:2511-27
2. Jahn R, et al. ProcNatlAcadSci U S A. 1985 Jun;82(12):4137-41.