

Monoclonal Antibody to Rat Synaptophysin

Alternate names: Neuroendocrine Marker

Catalog No.: BM2470S

Quantity: 0.5 ml

Concentration: 0.065 mg/ml

Host / Isotype: Mouse / IgG1

Clone: SVP38

Immunogen: Synaptosome prepared from rat retina.

Applications: Immunohistochemistry on frozen and paraffin embedded sections. This antibody can be used on formalin-fixed, paraffin embedded tissue sections. Prolonged fixation in buffered formalin can destroy the epitope. The antibody may be used at a dilution of 1:20 to 1:40 with AutoProbe III (Cat. No. 08-803). It is recommended that this product be used on frozen tissue sections or specimens. Western Blot. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user.

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Specificity: Synaptophysin, a 38 kD synaptic vesicle protein is one of several major protein components that are present in synaptic vesicles. This antibody localizes 38 kD band of synaptophysin in rat brain extracts.

Storage: Store the antibody at 4-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Aliquoting Instructions: Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M Borate pH 8.0 containing 0.15M Sodium Chloride, 0.05% Sodium Azide, is a good diluent to use with most antibodies. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.

General Readings: 1. Devoto, SH and Barnstable CJ, Ann