Antibody to **Synaptophysin**  

**Catalogue No:** VP-S285

**Product Specifications**

**Intended use:** For in-vitro diagnostic use.

Mouse Monoclonal Anti-Human Synaptophysin is intended for immunohistochemistry methodologies. A differential diagnosis is complemented by using a panel of antibodies and in conjunction with morphological studies, patient clinical history and other diagnostic tests by a qualified pathologist.

Synaptophysin is a 38kD integral membrane glycoprotein which was originally located in presynaptic vesicles of neurons in brain and spinal cord. Synaptophysin is a component of nerve terminal small synaptic vesicles (SSV) and regarded as neuron specific. It is also present in small pleiomorphic vesicles in a variety of neuroendocrine cells.

**Storage and stability:** Store at 2-8°C. Do not freeze. Do not use after expiration date on vial.

**Specificity:** Human synaptophysin.

**Clone:** 27G12  
**Ig Class:** IgG1

**Mouse IgG conc:** See details on vial label

**Immunogen:** Synthetic peptide corresponding to a region near to the C-terminal end of the synaptophysin molecule.

**Product:** 1ml liquid tissue culture supernatant containing 15mM sodium azide.

**Precautions:** As this product is derived from biological material proper handling procedures should be employed. Sodium azide is not considered hazardous at 15mM. However, an MSDS is available on request or online (www.vectorlabs.com) for safety or disposal information.

**Specimen Preparation**

**Paraffin sections:** VP-S285 can be used on paraffin wax embedded tissue fixed in 10% neutral buffered formalin. Pretreatment of tissue is essential using a high temperature antigen unmasking technique. Optimal results can be achieved with Vector Antigen Unmasking solution (H-3300).

**Frozen sections:** Yes, acetone fixation recommended.

**INSTRUCTIONS FOR USE**

Dilutions and times are only a guide, there may be variations due to fixation, specimen collection and preparation, optimal conditions should be established by the individual laboratory.

Following antigen unmasking of paraffin wax embedded tissue VP-S285 should be applied to sections in the dilution range 1:100 - 1:200 for 60 minutes at 25°C.

**Positive control tissue:** A positive control should be used in each run. The recommended control tissue is Thyroid.

**Negative control tissue:** A negative control tissue should be set up to verify the specificity of the antibody. **Negative control reagent:** A negative control mouse immunoglobulin (e.g. I-2000) should be used to evaluate non-specific binding.

**Visualisation:** VECTASTAIN® Elite ABC Peroxidase Kits (PK-6200 or PK-6102, PK-7200) in conjunction with substrate kits (SK-4100 or SK-4800) are all recommended for use with this antibody. Specific protocols are included in each kit.

**For professional use only.**

**Selected References:**


**Authorised representative:** Vector Laboratories Ltd  
3 Accent Park  
Bakewell Road  
Orton Southgate  
Peterborough  
PE2 6XS, U.K.  
Tel: 01733 237999 • Fax: 01733 237119