

**Rabbit Anti-Synaptophysin [MD200R]: RM0181, RM0181RTU7**

**Intended Use:** For Research Use Only

**Description:** Synaptophysin is a major integral transmembrane glycoprotein of synaptic vesicles with four transmembrane domains. This protein is present in almost all neurons and neuroendocrine cells throughout the body. An antibody to Synaptophysin is useful for the identification of tumors with neural and neuroendocrine differentiation.

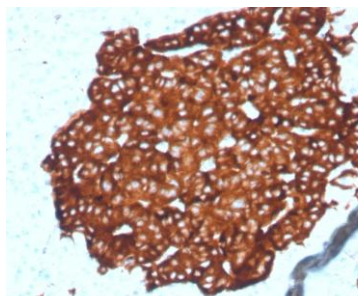
**Specifications**

Clone: MD200R  
 Source: Rabbit  
 Isotype: IgG  
 Reactivity: Human  
 Immunogen: Recombinant fragment aa 274-313 of human Synaptophysin protein  
 Localization: Cytoplasm  
 Formulation: Purified antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC  
 Package:

Description	Catalog No.	Size
Synaptophysin Concentrated	RM0181	1 ml
Synaptophysin Prediluted	RM0181RTU7	7 ml

**IHC Procedure**

Positive Control Tissue: Pancreas, neuroendocrine tumor  
 Concentrated Dilution: 50-200  
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
 Incubation Time and Temp: 30-60 minutes @ RT  
 Detection: Refer to the detection system manual  
 \* Result should be confirmed by an established diagnostic procedure.



FFPE human pancreas stained with anti-Synaptophysin using DAB

**References:**

1. Axonal plasticity underpins the functional recovery following surgical decompression in a rat model of cervical spondylotic myelopathy. Dhillon RS, et al. Acta Neuropathol Commun 4:89, 2016.
2. Synergistically acting agonists and antagonists of G protein-coupled receptors prevent photoreceptor cell degeneration. Chen Y, et al. Sci Signal 9:ra74, 2016.
3. The BRAF kinase domain promotes the development of gliomas in vivo. Shin CH, et al. Genes Cancer 6:9-18, 2015.
4. A nonfunctional neuroendocrine tumor of the pancreas - a case report. Mogoanta SS, et al. Rom J Morphol Embryol 56:511-9, 2015.

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Rev. B