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## 10-12536: Mouse Monoclonal Antibody to SYP(Clone :BS15)

Clonality: Monoclonal
Clone Name: BS15
Application: IHC
Reactivity: Human
Gene: SYP
Gene ID: 6855
Uniprot ID: P08247

Alternative Name: Synaptophysin, Major synaptic vesicle protein p38

**Isotype:** Mouse IgG1

## **Description**

Synaptophysin (p38) is an integral membrane protein of small synaptic vesicles in brain and endocrine cells. Synaptophysin contains four transmembrane domains that form a hexameric channel or gap junction-like pore. Synaptophysin binds to the SNARE protein synaptobrevin/VAMP, which prevents the inclusion of synaptobrevin in the synaptic vesicle fusion complex and creates a pool of synaptobrevin for exocytosis when synapse activity increases. Synaptophysin is also responsible for targeting synaptobrevin 2/VAMP2 to synaptic vesicles, a critical component of the fusion complex.

## **Product Info**

**Amount:** 0.1 ml / 0.5 ml

Content: TRIS with 0.03% sodium azide, pH7.2

Storage condition: Store at 4°C

## **Application Note**

Immunohistochemical Analysis:-1:300

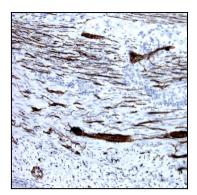


Figure-1: Appendix section has been stained using Synaptophysin antibody (Clone: BS15) with 1:300 dilution. Ganglion cells and neuronal axons stained strongly.



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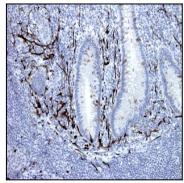


Figure-2: Appendix section has been stained using Synaptophysin antibody (Clone: BS15) with 1:300 dilution. Ganglion cells and neuronal axons stained strongly.

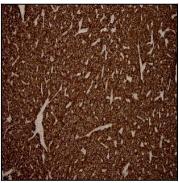


Figure-3: Neuro endocrine tumor section has been stained using Synaptophysin antibody (Clone: BS15) with 1:300 dilution. Neuroendocine tumor cells have intensive staining reaction.