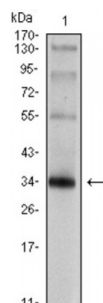


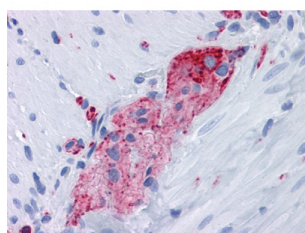
Abbexa Ltd, Innovation Centre, Cambridge Science Park, Cambridge, CB4 0EY, UK
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Synaptophysin (SYP) Antibody

Catalogue No.: abx011585



Western blot analysis using SYP antibody against rat brain tissue lysate.



Immunohistochemical analysis of paraffin-embedded human Small Intestine, myenteric plexus tissues using anti-SYP antibody.

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.

Target: SYP

Reactivity: Human, Rat

Host: Mouse

Clonality: Monoclonal

Tested Applications: ELISA, WB, IHC

Recommended dilutions: ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Purified recombinant fragment of SYP expressed in E. Coli.

Purification: Unpurified Ascites.

Isotype: IgG₁

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Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Molecular Weight:	33.8 kDa
Swiss Prot:	P08247
GeneID:	6855
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Note:	This product is for research use only.