

Anti-Synaptophysin/SYP Antibody (10794)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	10794
Purification:	Protein A

Applications

Verified Activity:	<ol style="list-style-type: none">1. Immunochemical staining of human SYP in human pancreas with rabbit monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.2. Immunochemical staining of human SYP in human small intestine with rabbit monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.3. Immunochemical staining of human SYP in human colon carcinoma with rabbit monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.4. Immunochemical staining of human SYP in human appendix with rabbit monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.5. Immunochemical staining of human SYP in human hepatoma with rabbit monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.
Application:	IHC-P
Recommended	IHC-P: 1:100-1:500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: C-terminus of the Human Synaptophysin / SYP
Antigen Species:	Human

Research Background

Synaptophysin (SYP) is an integral membrane protein of synaptic vesicles and is ubiquitously expressed in neurons throughout the brain, such as small presynaptic vesicles of the nerve cells and in microvesicles of the neuroendocrine cells. SYP is a major protein of neurotransmitter-containing vesicles spanning the membrane four times and contributing to various aspects of the synaptic vesicle cycle. SYP is involved in the release of neurotransmitters, synaptic plasticity, and the formation and recycling of synaptic vesicles. SYP may serve as a specific marker of synaptic proteins. As Syp expression is correlated with synaptogenesis during the development of the central nervous system, the expression of Syp is considered to be a critical aspect of neuronal maturation and circuit formation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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