

## Anti-Synaptophysin Rabbit Monoclonal Antibody

### Introduction

SYP Possibly involved in structural functions as organizing other membrane components or in targeting the vesicles to the plasma membrane. Involved in the regulation of short-term and long-term synaptic plasticity. Belongs to the synaptophysin/synaptobrevin family. Homohexamer or homotetramer. Note: This description may include information from UniProtKB.

### Product parameters

|                    |                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------|
| Alternative Names  | SYP; Synaptophysin; Major synaptic vesicle protein p38                                  |
| Gene ID            | 6855                                                                                    |
| Gene Name          | SYP                                                                                     |
| SwissProt ID       | P08247                                                                                  |
| Host               | Rabbit                                                                                  |
| Reactivity         | Human, Rat                                                                              |
| Molecular Weight   | Calculated MW: 34 kDa; Observed MW: 38 kDa                                              |
| Conjugation        | Unconjugated                                                                            |
| Ex                 | -                                                                                       |
| Em                 | -                                                                                       |
| Modification       | Unmodified                                                                              |
| Clonality          | IgG                                                                                     |
| Isotype            | Monoclonal Antibody                                                                     |
| Clonality No.      | AP-2E12H5                                                                               |
| Form               | Liquid                                                                                  |
| Concentration      | See label                                                                               |
| Carrier            | Carrier Not Free                                                                        |
| Immunogen          | A synthetic peptide of human Synaptophysin                                              |
| Purification       | Affinity Purified                                                                       |
| Buffer System      | 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA. |
| Application        | WB, IHC-F, IHC-P, ICC/IF                                                                |
| Dilution Ratio     | WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200                                         |
| Research Field     | Neuroscience                                                                            |
| Product Categories | Primary antibody                                                                        |

|                 |                                  |
|-----------------|----------------------------------|
| Shipping        | Blue ice                         |
| Storage         | -20°C                            |
| Expiration Date | 12 months                        |
| Note            | Please avoid freeze-thaw cycles. |

## Protocol



Configure the product according to the application range and recommended dilution ratio.

**\*Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

## Note

1. This product is for scientific research use only.



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