

## Rabbit Synapsin 1 Polyclonal Antibody | anti-SYN1 antibody

Anti-Synapsin 1 (pS9) Phospho Antibody

|                               |                       |                                                              |                                                                                                    |
|-------------------------------|-----------------------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA260243</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat, Bovine, Dog, Porcine</b> | APPLICATIONS<br><b>Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

Synapsin 1; Polyclonal Antibody; Anti-Synapsin 1 (pS9) Phospho Antibody; Synapsin-1; Brain protein 4.1; Synapsin I; anti-SYN1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                    |
| Reactivity                                     | Human, Mouse, Rat, Bovine, Dog, Porcine                                                                                                   |
| Clonality                                      | Polyclonal                                                                                                                                |
| Specificity                                    | Recognizes endogenous levels of Synapsin 1 (pS9) protein.                                                                                 |
| Purity/Purification                            | The antibody was purified by immunogen affinity chromatography.                                                                           |
| Form/Format                                    | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                 |
| Sequence Length                                | 669                                                                                                                                       |
| Applicable Applications for anti-SYN1 antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                         |
| Immunogen                                      | KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Synapsin 1. The exact sequence is proprietary. |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.                            |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of Synapsin 1 (pS9) staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of Synapsin 1 (pS9) staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Western blot analysis of Synapsin 1 (pS9) expression in A549 (A), mouse brain (B), rat brain (C) whole cell lysates.

ADDITIONAL INFORMATION

|                                                    |                                                |
|----------------------------------------------------|------------------------------------------------|
| Related Product Information for anti-SYN1 antibody | Rabbit polyclonal antibody to Synapsin 1 (pS9) |
|----------------------------------------------------|------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                |
|----------------------------------|--------------------------------|
| NCBI GI #                        | 19924099                       |
| NCBI GeneID                      | 6853                           |
| NCBI Accession #                 | NP_008881.2                    |
| NCBI GenBank Nucleotide #        | NM_006950.3                    |
| UniProt Accession #              | P17600; O75825; Q5H9A9; B1AJQ1 |
| Molecular Weight                 | 70,033 Da                      |
| NCBI Official Full Name          | synapsin-1 isoform Ia          |
| NCBI Official Synonym Full Names | synapsin I                     |
| NCBI Official Symbol             | SYN1                           |
| NCBI Official Synonym Symbols    | SYNI; SYN1a; SYN1b             |
| NCBI Protein Information         | synapsin-1                     |
| UniProt Protein Name             | Synapsin-1                     |
| UniProt Gene Name                | <b>SYN1</b>                    |
| UniProt Entry Name               | SYN1_HUMAN                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.