

## anti-Human, Mouse Synaptotagmin Antibody | anti-SYT antibody

Synaptotagmin (Phospho-Ser309) Antibody

|                               |                                   |                                                                  |
|-------------------------------|-----------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA267331</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------------------|------------------------------------------------------------------|

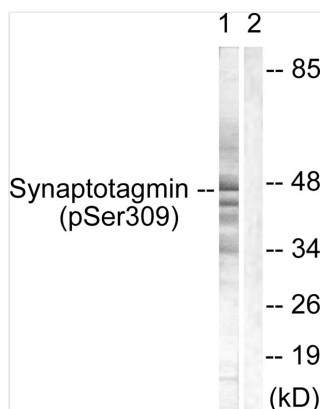
### PRODUCT SYNONYMS

Synaptotagmin; Synaptotagmin (Phospho-Ser309) Antibody; p65; synaptotagmin I; anti-SYT antibody

### PRODUCT SPECIFICATIONS

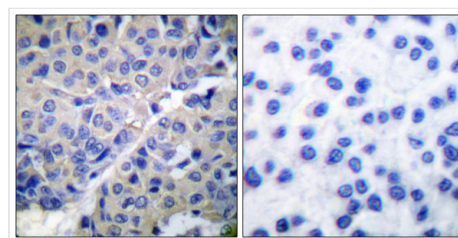
|                                               |                                                                                                                                                                                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                    | Human, Mouse                                                                                                                                                                                                                                        |
| Specificity                                   | Synaptotagmin (phospho-Ser309) antibody detects endogenous levels of Synaptotagmin only when phosphorylated at serine 309.                                                                                                                          |
| Purity/Purification                           | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                   | In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                                      |
| Sequence Length                               | 422                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-SYT antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                |
| Immunogen                                     | The antiserum was produced against synthesized phosphopeptide derived from human Synaptotagmin around the phosphorylation site of serine 309 (G-L-SP-D-P).                                                                                          |
| All Sites                                     | Human: Ser309<br>Mouse: Ser308                                                                                                                                                                                                                      |
| Preparation and Storage                       | Store at -20 degree C for 1 year                                                                                                                                                                                                                    |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts from 293 cells treated with Sobital (0.4M, 30mins), using Synaptotagmin (phospho-Ser309) antibody.



#### IHC (Immunohistochemistry)

P-peptide-+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Synaptotagmin (phospho-Ser309) antibody.

ADDITIONAL INFORMATION

|            |                                                                                                                                                                                                                                  |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | E Carafoli, Crit. Rev. Biochem. Mol. Biol., Apr 2001; 36: 107. Gry Houeland, J Neurophysiol, Jan 2007; 97: 134-143. Christelle Carteron, J. Cell Sci., Mar 2006; 119: 898-909. Vladimir I. Slepnev, Science, Aug 1998; 281: 821. |
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NCBI AND UNIPROT INFORMATION

|                                  |                           |
|----------------------------------|---------------------------|
| NCBI GI #                        | 209447070                 |
| NCBI GeneID                      | 6857                      |
| NCBI Accession #                 | NP_001129277.1            |
| NCBI GenBank Nucleotide #        | NM_001135805.1            |
| UniProt Accession #              | P21579; Q6AI31            |
| Molecular Weight                 | 47,573 Da                 |
| NCBI Official Full Name          | synaptotagmin-1 isoform 1 |
| NCBI Official Synonym Full Names | synaptotagmin 1           |
| NCBI Official Symbol             | SYT1                      |
| NCBI Official Synonym Symbols    | P65; SYT; SVP65           |
| NCBI Protein Information         | synaptotagmin-1           |
| UniProt Protein Name             | Synaptotagmin-1           |
| UniProt Gene Name                | SYT1                      |
| UniProt Synonym Gene Names       | SVP65; SYT; Sytl          |

**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.

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Online datasheet: <https://stage.aaabiotech.com/syt-human-mouse-antibody/synaptotagmin/267331>