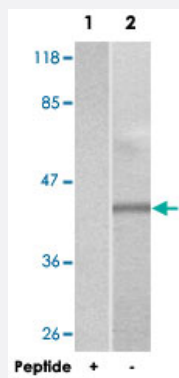


# SYT1/SYT2 polyclonal antibody

Catalog # PAB26808

Size 100 ug

## Applications



### Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells using SYT1/SYT2 polyclonal antibody (Cat # PAB26808).

## Specification

|                      |                                                                                                   |
|----------------------|---------------------------------------------------------------------------------------------------|
| Product Description  | Rabbit polyclonal antibody raised against synthetic peptide of SYT1/SYT2.                         |
| Immunogen            | A synthetic peptide corresponding to residues surrounding T202/T199 of human SYT1/SYT2.           |
| Sequence             | R-K-Tp-L-N                                                                                        |
| Host                 | Rabbit                                                                                            |
| Theoretical MW (kDa) | 46                                                                                                |
| Reactivity           | Human, Mouse, Rat                                                                                 |
| Form                 | Liquid                                                                                            |
| Purification         | Affinity chromatography                                                                           |
| Concentration        | 1 mg/mL                                                                                           |
| Recommend Usage      | Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer       | In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)                                    |

**Storage Instruction**

Store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells using SYT1/SYT2 polyclonal antibody (Cat # PAB26808).

## Gene Info — SYT1

**Entrez GeneID**[6857](#)**Protein Accession#**[P21579 \(Gene ID : 6857\);Q8N9I0 \(Gene ID : 127833\)](#)**Gene Name**

SYT1

**Gene Alias**

DKFZp781D2042, P65, SVP65, SYT

**Gene Description**

synaptotagmin I

**Omim ID**[185605](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca<sup>2+</sup> sensors in the process of vesicular trafficking and exocytosis. Calcium binding to synaptotagmin I participates in triggering neurotransmitter release at the synapse (Fernandez-Chacon et al., 2001 [PubMed 11242035]).[supplied by OMIM]

**Other Designations**

OTTHUMP00000166064|synaptotagmin 1

## Gene Info — SYT2

**Entrez GeneID**[127833](#)**Protein Accession#**[P21579 \(Gene ID : 6857\);Q8N9I0 \(Gene ID : 127833\)](#)**Gene Name**

SYT2

**Gene Alias**

SytlI

|                    |                                                                                                                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Description   | synaptotagmin II                                                                                                                                                                                                                        |
| Omim ID            | <a href="#">600104</a>                                                                                                                                                                                                                  |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                               |
| Gene Summary       | Synaptotagmins, like SYT2, are integral membrane proteins of synaptic vesicles thought to serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis (Hilbush and Morgan, 1994 [PubMed 8058779]).[supplied by OMIM] |
| Other Designations | OTTHUMP00000038803 OTTHUMP00000038804 synaptotagmin 2                                                                                                                                                                                   |

## Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Mental Retardation](#)
- [Tobacco Use Disorder](#)