

**Synaptotagmin-2 Antibody (C-Term)**  
Peptide-affinity purified goat antibody  
Catalog # AF3414a**Specification**

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**Synaptotagmin-2 Antibody (C-Term) - Product Information**

Application	WB
Primary Accession	<a href="#">Q8N9I0</a>
Other Accession	<a href="#">NP_796376.2</a> , <a href="#">127833</a> , <a href="#">20980 (mouse)</a> , <a href="#">24805 (rat)</a>
Reactivity	Mouse
Predicted	Human, Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	46872

**Synaptotagmin-2 Antibody (C-Term) - Additional Information**

**Gene ID** 127833

**Other Names**

Synaptotagmin-2, Synaptotagmin II, SytII, SYT2

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Synaptotagmin-2 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**Synaptotagmin-2 Antibody (C-Term) - Protein Information**

**Name** SYT2 ([HGNC:11510](#))

**Function**

Exhibits calcium-dependent phospholipid and inositol polyphosphate binding properties (By similarity). May have a regulatory role in the membrane interactions during trafficking of synaptic vesicles at the active zone of the synapse (By similarity). Plays a role in dendrite formation by melanocytes (PubMed: <http://www.uniprot.org/citations/23999003> target="\_blank">23999003</a>).

### Cellular Location

Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane {ECO:0000250|UniProtKB:P29101}; Single-pass membrane protein. Cytoplasmic vesicle, secretory vesicle, chromaffin granule membrane {ECO:0000250|UniProtKB:P21707}; Single-pass membrane protein {ECO:0000250|UniProtKB:P29101}. Cytoplasm {ECO:0000250|UniProtKB:P29101}

### Tissue Location

Expressed at the neuromuscular junction (PubMed:33659639). Expressed in melanocytes (PubMed:23999003)

## Synaptotagmin-2 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Synaptotagmin-2 Antibody (C-Term) - Images



AF3414a (0.1 µg/ml) staining of Mouse Lung lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Synaptotagmin-2 Antibody (C-Term) - Background

Reported variants represent identical protein: NP\_001129976.1, NP\_796376.2

## Synaptotagmin-2 Antibody (C-Term) - References

Synaptotagmin has an essential function in synaptic vesicle positioning for synchronous release in addition to its role as a calcium sensor. Young SM, Neher E, Neuron 2009 Aug 63 (4): 482-96. PMID: 19709630