

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

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

Application	WB
Primary Accession	Q8N9I0
Other Accession	NP_796376.2 , 127833 , 20980 (mouse) , 24805 (rat)
Reactivity	Mouse
Predicted	Human, Rat, Cow
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).

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