

Synaptotagmin 12

Cat.No. 299 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: not tested yet ICC: not tested yet IHC: not tested yet IHC-P/FFPE: not tested yet
Immunogen	Recombinant protein corresponding to AA 47 to 150 from rat Synaptotagmin12 (UniProt Id: P97610)
Reactivity	Reacts with: rat, mouse. Other species not tested yet.
Specificity	Specific for synaptotagmin 12.

Selected General References

Synaptotagmin-12 phosphorylation by cAMP-dependent protein kinase is essential for hippocampal mossy fiber LTP. Kaeser-Woo YJ, Younts TJ, Yang X, Zhou P, Wu D, Castillo PE, Südhof TC
The Journal of neuroscience : the official journal of the Society for Neuroscience (2013) 33(23): 9769-80.

Synaptotagmin-12, a synaptic vesicle phosphoprotein that modulates spontaneous neurotransmitter release. Maximov A, Shin OH, Liu X, Südhof TC
The Journal of cell biology (2007) 176(1): 113-24.

TO BE USED IN VITRO / FOR RESEARCH ONLY

NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Up to now at least 17 synaptotagmins have been identified. **Synaptotagmin 12** is composed of a vesicular, a transmembrane and two C2 domains. It belongs to the calcium independent synaptotagmins and colocalizes with Synaptotagmin 1 on synaptic vesicles.