

Synaptotagmin 12

Cat.No. 299 002; Polyclonal rabbit antibody, 200 µl antiserum (lyophilized)

Data Sheet

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| Reconstitution/ Storage | 200 µl antiserum, lyophilized. For reconstitution add 200 µl H ₂ O, 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 (P97610), mouse (Q920N7). Other species not tested yet. |
| Specificity | Specific for synaptotagmin 12. |

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.

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.