

Synaptoporphin

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Cat.No. 102 002; Polyclonal rabbit antibody, 200 µl antiserum (lyophilized)

Data Sheet

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: yes ICC: 1 : 100 up to 1 : 1000 IHC: 1 : 500 IHC-P/FFPE: 1 : 500
Immunogen	Synthetic peptide corresponding to AA 250 to 263 from rat Synaptoporphin (UniProt Id: P22831)
Reactivity	Reacts with: rat (P22831), mouse (Q8BGN8), hamster. Other species not tested yet.
Specificity	Specific for synaptoporphin.
matching control	102-1P

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Synaptoporphin, also known as **synaptophysin 2** and **p38-2**, is highly homologous to synaptophysin 1 but encoded by a different gene. Like synaptophysin 1, synaptoporphin contains four transmembrane regions and a short cytoplasmic tail. Unlike synaptophysin 1, it is not glycosylated. The distributions of synaptophysin 1 and synaptoporphin are different. Synaptophysin 1 is more uniformly expressed whereas synaptoporphin is particularly enriched in mossy fiber synapses in the hippocampus. It is thus an excellent marker for subsets of synapses.

Selected References SYSY Antibodies

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