

Synaptopodin

Cat.No. 163 004; Polyclonal Guinea pig antibody, 100 µl antiserum (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µl antiserum, lyophilized. For reconstitution add 100 µl H ₂ O, then aliquot and store at -20°C until use.
Applications	WB: 1 : 500 (AP staining) (see remarks) IP: not tested yet ICC: 1 : 500 IHC: 1 : 200 IHC-P/FFPE: 1 : 200
Immunogen	Recombinant protein corresponding to AA 331 to 452 from mouse Synaptopodin (UniProt Id: Q9Z327-2)
Reactivity	Reacts with: rat (Q9Z327), mouse (Q8CC35). Other species not tested yet.
Specificity	Specific for Synaptopodin. Fragment used for immunization is present in all 3 isoforms. (K.O. verified)
matching control	163-0P
Remarks	WB: Application is limited, the antibody is less sensitive than the rabbit antibody.

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

Synaptopodin is the founding member of a new class of proline-rich actin-associated proteins. Up to now three splice variants of synaptopodin have been identified. In neurons and podocytes the protein is expressed in a differentiation dependent manner. Synaptopodin deficient mice lack the dendritic spine apparatus and exhibit impaired activity-dependent long-term synaptic plasticity.

Selected References SYSY Antibodies

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