

## Spinophilin

**Cat.No. 399 003; 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 <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	<b>WB:</b> 1 : 1000 (AP staining) <b>IP:</b> not tested yet <b>ICC:</b> 1 : 500 up to 1 : 1000 <b>IHC:</b> 1 : 500 up to 1 : 1000 <b>IHC-P/FFPE:</b> 1 : 500
Immunogen	Synthetic peptide corresponding to AA 290 to 302 from rat Spinophilin (UniProt Id: O35274)
Reactivity	Reacts with: rat (O35274), mouse (Q6R891). Other species not tested yet.
Specificity	Specific for Spinophilin.
matching control	399-0P

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

**Spinophilin**, also known as **Neurabin II**, is a scaffolding protein enriched in neuronal dendritic spines. It is involved in the targeted localization of protein phosphatase-1 (PP1), critical for dopaminergic modulation of glutamate neurotransmission.

More recently it has also been identified as a tumor suppressor. Loss of its function induces a proliferative response by increasing retinoblastoma protein (pRb) phosphorylation.

### Selected General References

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