

## SAP 97

Cat.No. 124 315; Polyclonal Guinea pig antibody, 50 µg specific antibody (lyophilized)

### Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Guinea pig 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> yes <b>ICC:</b> not tested yet <b>IHC:</b> not tested yet <b>IHC-P/FFPE:</b> not tested yet
Immunogen	Recombinant protein corresponding to AA 1 to 130 from rat SAP97 (UniProt Id: Q62696)
Reactivity	Reacts with: rat (Q62696), mouse (Q811D0). Other species not tested yet.
Specificity	Shows band of expected size in westernblots.

### Selected General References

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SAP97 concentrates at the postsynaptic density in cerebral cortex.  
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**TO BE USED IN VITRO / FOR RESEARCH ONLY  
 NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

**SAP 97** (synapse associated protein of 97 kDa, also called **DLG 1**) like PSD 95 and SAP 102, is a scaffolding protein of the postsynaptic density. It consists of three type-one PDZ domains and binds selectively to the C-terminus of the GluR1 subunit of AMPA receptors.

SAP 97 is probably involved in the clustering of AMPA receptors at the post-synaptic membrane. It is also expressed in heart, where it has been shown to be involved in the targeting of voltage gated potassium channels to subpopulations of lipid rafts.