Synaptic Systems

Rudolf-Wissell-Str. 28
37079 Göttingen, Germany
Phone: +49 551-50556-0
Fax: +49 551-50556-384
E-mail: sales@sysy.com
Web: www.sysy.com

DAP 1

Cat.No. 342 104; Polyclonal Guinea pig antibody, 100 µl antiserum (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µl antiserum, lyophilized. For reconstitution add 100 µl H_2O, then aliquot and store at -20°C until use.
Applications	**WB**: 1 : 500 up to 1 : 1000 (AP staining) **IP**: not tested yet **ICC**: 1 : 500 **IHC**: not tested yet **IHC-P/FFPE**: not tested yet
Immunogen	Recombinant protein corresponding to AA 720 to 778 from mouse DAP1 (UniProt Id: Q9D415)
Reactivity	Reacts with: rat (P97836), mouse (Q9D415). Other species not tested yet.
Specificity	Specific for DAP 1; detects all six isoforms known in rat and isoform 1, 2, 3 and 4 in mouse.

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

Disks **l**ar**g**e **a**ssociated **p**roteins (**DLGAP**s or **DAP**s) also known as **SA**P90/**P**SD-95-associated proteins (**SAPAP**s) are members of a protein family whose members interact with a membrane-associated guanylate kinase localized at the postsynaptic density (PSD) in neuronal cells. DAPs are adaptor proteins that also interact with other synaptic scaffolding proteins like shanks.

Selected General References

Differential mRNA expression and protein localization of the SAP90/PSD-95-associated proteins (SAPAPs) in the nervous system of the mouse.
Welch JM, Wang D, Feng G
The Journal of comparative neurology (2004) 472(1): 24-39.

Synapse-associated protein 90/postsynaptic density-95-associated protein (SAPAP) is expressed differentially in phencyclidine-treated rats and is increased in the nucleus accumbens of patients with schizophrenia.
Kajimoto Y, Shirakawa O, Lin XH, Hashimoto T, Kitamura N, Murakami N, Takumi T, Maeda K
Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology (2003) 28(10): 1831-9.

Proline-rich synapse-associated proteins ProSAP1 and ProSAP2 interact with synaptic proteins of the SAPAP/GKAP family.
Boeckers TM, Winter C, Smalla KH, Kreutz MR, Bockmann J, Seidenbecher C, Garner CC, Gundelfinger ED
Biochemical and biophysical research communications (1999) 264(1): 247-52.