

DAP 4

Cat.No. 342 404; 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 up to 1 : 1000 (AP staining) IP: not tested yet ICC: not recommended IHC: not tested yet IHC-P/FFPE: not tested yet
Immunogen	Recombinant protein corresponding to AA 720 to 775 from mouse DAP4 (UniProt Id: B1AZP2)
Reactivity	Reacts with: rat (P97839), mouse (B1AZP2). Other species not tested yet.
Specificity	Specific for DAP 4.

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

Disks large associated proteins (**DLGAPs** or **DAPs**) also known as **SAP90/PSD-95-associated proteins (SAPAPs)** 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.