Synaptic Systems

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BAIAP 3

Cat.No. 256 003; 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_2O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	**WB**: 1 : 1000 **IP**: not tested yet **ICC**: not tested yet **IHC**: not tested yet **IHC-P/FFPE**: not tested yet
Immunogen	Recombinant protein corresponding to AA 626 to 879 from mouse BAIAP3 (UniProt Id: Q80TT2)
Reactivity	Reacts with: rat, mouse (Q80TT2). Other species not tested yet.
Specificity	Specific for BAIAP 3. (K.O. verified)

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

BAIAP 3 (**BAI** 1-**a**ssociated **p**rotein **3**), also known as **BAP 3**, is a transmembrane protein that contains two C2 domains, one MHD1 domain and one MHD2 domain. It has the same domain structure as Munc 13 proteins and is predominantly expressed in brain. BAIAP 3 is also a known interaction partner of BAI 1, a member of the secretin-receptor family.
Recently BAIAP 3 has been discussed as a marker protein for prognostic evaluation of ependymomas, that are primary tumors of the central nervous system.

Selected References SYSY Antibodies

BAIAP3, a C2 domain-containing Munc13 protein, controls the fate of dense-core vesicles in neuroendocrine cells.
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Selected General References

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Neuroscience research (2011) 70(3): 269-76.

Expression profiling of ependymomas unravels localization and tumor grade-specific tumorigenesis.
Palm T, Figarella-Branger D, Chapon F, Lacroix C, Gray F, Scaravilli F, Ellison DW, Salmon I, Vikkula M, Godfraind C
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Induction of BAIAP3 by the EWS-WT1 chimeric fusion implicates regulated exocytosis in tumorigenesis.
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