

Bassoon

Cat.No. 141 011; Monoclonal mouse antibody, 100 µg purified IgG (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg purified IgG, lyophilized. Azide was added before lyophilization. For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: not tested yet ICC: 1 : 100 up to 1 : 500 (see remarks) IHC: not recommended IHC-P/FFPE: 1 : 500
Clone	219E1
Subtype	IgG2b (κ light chain)
Immunogen	Recombinant protein corresponding to AA 3608 to 3938 from rat Bassoon (UniProt Id: O88778)
Epitop	Epitop: AA 3608 to 3938 from rat Bassoon (UniProt Id: O88778)
Reactivity	Reacts with: rat, mouse. Other species not tested yet.
Specificity	Specific for bassoon.
matching control	141-0P
Remarks	ICC: Mild fixation conditions (2 % PFA for 20 min) are recommended.

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

Bassoon is a large protein which consists of an N-terminal Zn²⁺ finger and several piccolo-bassoon homology domains (PBH-domains). It is generally found together with piccolo, a related huge multi-domain protein of the CAZ (cytoskeletal matrix assembled at active zones). Bassoon was suggested to be a scaffolding element of the presynapse but deletion experiments in mice have shown that bassoon is also involved in synaptic vesicle cycling. Probably bassoon interacts with other protein factors via its Zn²⁺ domain but the potential partners have not been determined yet.

Selected References SYSY Antibodies

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Selected General References

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Biochemical and biophysical research communications (2000) 275(1): 43-6.

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The Journal of cell biology (1998) 142(2): 499-509.