Synaptic Systems

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SATB 2

Cat.No. 327 003; 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**: not recommended **IP**: not tested yet **ICC**: 1 : 500 **IHC**: 1 : 200 **IHC-P/FFPE**: 1 : 200
Immunogen	Synthetic peptide corresponding to AA 718 to 733 from mouse SATB2 (UniProt Id: Q8VI24)
Reactivity	Reacts with: rat (D3ZJ19), mouse (Q8VI24). Other species not tested yet.
Specificity	Specific for SATB 2.

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

The **S**pecial **AT**-rich sequence-**b**inding protein **2** or **SATB 2** is a transcription factor required for the initiation of the genetic program for the upper-layer neurons (UL1).
Together with Ctip 2, Coup-TFI, and Fezf 2 it is involved in the fine tuned sequential formation and specification of the different excitatory neuron populations forming the definitive six-layered cortical structure.

Selected General References

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The Journal of neuroscience : the official journal of the Society for Neuroscience (2012) 32(47): 16651-65.

The sympathetic neurotransmitter switch depends on the nuclear matrix protein Satb2.
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