SYSY Synaptic Systems Histidine Decarboxylase

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Cat.No. 405 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 μ g specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 μ l H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: not tested yet IP: not tested yet ICC: not tested yet IHC: 1 : 500 IHC-P/FFPE: 1 : 200
Immunogen	Recombinant protein corresponding to AA 1 to 658 from rat HDC (UniProt Id: P16453)
Reactivity	Reacts with: mouse (P23738), rat (P16453). Other species not tested yet.
Specificity	Specific of histamine decarboxylase.

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

Histamine is synthesized by **h**istidine **dec**arboxylase (**HDC**) in many different cell types. Mast cells and basopile granulocytes store histamine in their granules that is released upon external stimulation. In addition histamine acts as a modulatory neurotransmitter in the mammalian brain. HDC expressing neurons occur in the tuberomammillary nucleus (TMN), which is located in the hypothalamus. It is the only site of neuronal histamine synthesis in the adult mammalian brain.

Selected General References

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