

Tyrosine hydroxylase

Cat.No. 213 102; Polyclonal rabbit antibody, 200 µl antiserum (lyophilized)

Data Sheet

Reconstitution/ Storage	200 µl antiserum, lyophilized. For reconstitution add 200 µl H ₂ O, then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: yes ICC: not tested yet IHC: 1 : 500 up to 1 : 1000 IHC-P/FFPE: 1 : 200 up to 1 : 500
Immunogen	Recombinant protein corresponding to AA 1 to 163 from rat TyrH (UniProt Id: P04177)
Reactivity	Reacts with: rat (P04177), mouse (P24529). Other species not tested yet.
Specificity	Specific for tyrosine hydroxylase without cross-reactivity to tryptophane hydroxylase.

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

Tyrosine hydroxylase is one of the key enzymes in the synthesis pathway of catecholamines like adrenalin, noradrenalin and dopamin and is frequently used as a marker for dopaminergic neurons. This neuronal subpopulation is especially affected in Parkinson's disease.

Selected General References

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Differential regulation of the human tyrosine hydroxylase isoforms via hierarchical phosphorylation. Lehmann IT, Bobrovskaya L, Gordon SL, Dunkley PR, Dickson PW. *The Journal of biological chemistry* (2006) 281(26): 17644-51.

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