

Tyrosine hydroxylase

Cat.No. 213 104; Polyclonal Guinea pig antibody, 100 µl antiserum (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µl antiserum, lyophilized. For reconstitution add 100 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 IHC-P/FFPE: 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 References SYSY Antibodies

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Selected General References

Mesencephalic dopamine neuron number and tyrosine hydroxylase content: Genetic control and candidate genes.
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