

Product datasheet for **TA355355**

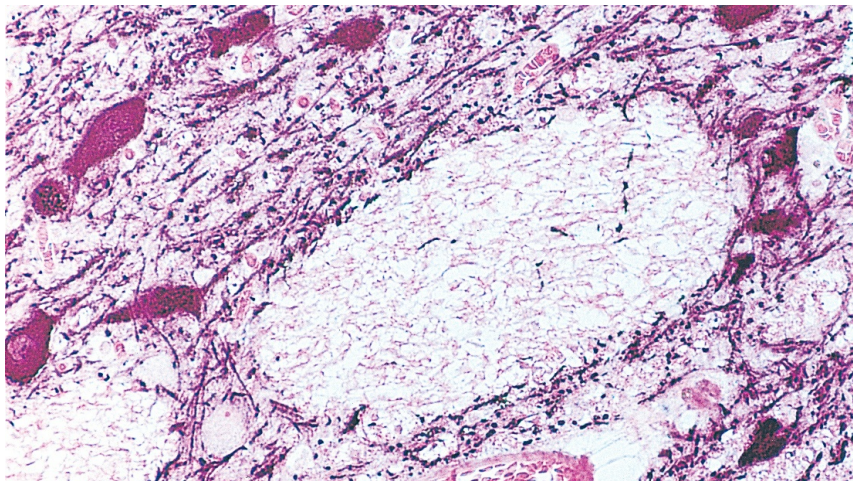
Tyrosine Hydroxylase (TH) Mouse Monoclonal Antibody [Clone ID: 1B5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1B5
Applications:	IHC
Recommended Dilution:	1:40
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Prokaryotic recombinant protein corresponding to a portion of the carboxyl terminal end of the mouse tyrosine hydroxylase molecule.
Specificity:	Human tyrosine hydroxylase. Also reacts with mouse and rat tyrosine hydroxylase
Formulation:	Liquid tissue culture supernatant containing sodium azide as a preservative
Conjugation:	Unconjugated
Storage:	Store at 2-8°C
Stability:	12 months
Gene Name:	tyrosine hydroxylase
Database Link:	Entrez Gene 7054 Human P07101
Background:	Tyrosine hydroxylase is the first enzyme in catecholamine (CA) biosynthesis and catalyzes the conversion of L-tyrosine to L-DOPA. Tyrosine hydroxylase is reported to be expressed in all CA neurons. Despite the abundant data about the distribution of catecholaminergic neurons in a wide variety of species, data on their distribution in the human brain is less comprehensive. However, one such study has reported that tyrosine hydroxylase products in the substantia nigra were restricted to neural bodies, axons and dendrites. These in turn were restricted to the third decade of life and their number increased in this location with age. This finding may be related to ageing of melanin-pigmented neurons.
Synonyms:	DYT5b; DYT14; TYH



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Product images:

Human midbrain: immunohistochemical staining of Tyrosine Hydroxylase enzyme. Note cytoplasmic staining of catecholaminergic cells and their processes. (Peroxidase substrate: nickel DAB, Counterstain: eosin). Tyrosine Hydroxylase: clone 1B5