

Tyrosine Hydroxylase Antibody

Lot Number: RD2189171

Product Data Sheet

Tested Species Reactivity	Published Species Reactivity
Many (Many)	Canine (Ca) Mouse (Ms)

Tested Applications	Dilution *
Western Blot (WB)	1:1000
Immunofluorescence (IF)	1:1000
Immunohistochemistry (IHC)	1:1000
Dot blot (DB)	1:1000

Published Applications	Dilution
Immunohistochemistry (IHC)	See publications

* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
Catalog Number:	PA1-4679
Size:	100 µL
Class:	Polyclonal
Type:	Antibody
Clone:	
Host / Isotype:	Sheep / IgG
Immunogen:	SDS-denatured, native rat tyrosine hydroxylase purified from pheochromocytoma

Form Information	
Form:	Liquid
Purification:	Affinity chromatography
Storage Buffer:	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative:	no preservative
Storage Conditions:	-20° C, Avoid Freeze/Thaw Cycles

Product Specific Information	General Information
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This antibody is specific for the ~60 kDa Tyrosine Hydroxylase in Western blots of rat brain extracts.

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Tyrosine Hydroxylase (TH) is the rate-limiting enzyme in the synthesis of the catecholamines Dopamine and Norepinephrine. TH antibodies can therefore be used as markers for dopaminergic and noradrenergic neurons in a variety of applications including depression, schizophrenia, Parkinson's disease and drug abuse (Kish et al., 2001; Zhu et al., 2000; Zhu et al., 1999). TH antibodies can also be used to explore basic mechanisms of dopamine and norepinephrine signaling (Witkovsky et al., 2000; Salvatore et al., 2001).

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