

Tyrosine Hydroxylase, Rabbit Polyclonal Antibody

Catalog Number: P21962

Store at -20°C

Clonality:	Polyclonal	Host/Class:	Rabbit
Volume:	100 µL	Reactivity:	Tyrosine hydroxylase
		Predicted Reactivity:	All mammals

Product Description

Tyrosine hydroxylase (TH) is the rate-limiting enzyme in the synthesis of dopamine and norepinephrine. TH antibodies have been used as markers for dopaminergic and noradrenergic neurons in a variety of applications including depression, schizophrenia, Parkinson's disease, and drug abuse. TH antibodies have also be used to explore basic mechanisms of dopamine and norepinephrine signaling.

Product Specifications

Immunogen:	SDS-denatured rat tyrosine hydroxylase, purified from pheochromocytoma.
Apparent MW:	~60 kDa
Gene ID:	25085
Protein Accession No.:	P04177
Sequence Identity:	Rat
Lot:	See product label

Product Applications

Application	Dilution
Western blotting	1:1000
Immunofluorescence (frozen)	1:1000
Immunohistochemistry (frozen)	1:1000

Storage and Handling

Store the antibody at -20°C. **Avoid freeze/thaw cycles.**

Stability

Expires one year from date of receipt when stored as instructed.

Storage Buffer

100 µL in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per mL BSA and 50% glycerol.

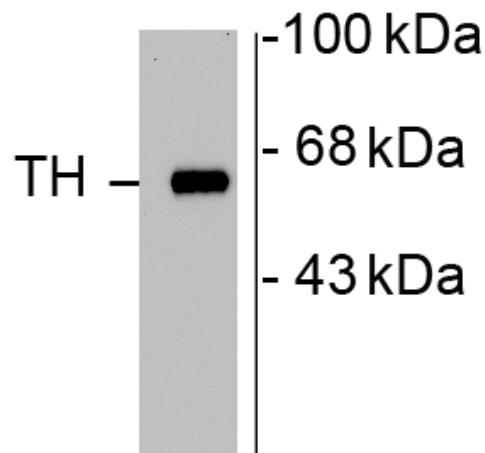


Figure 1 Western blot of 10 µg of rat caudate lysate showing specific immunolabeling of the ~60 kDa TH protein.

For research use only. Not for human or animal therapeutic or diagnostic use.

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Safety Data Sheets (SDS)

Safety Data Sheets (SDSs) are available at www.invitrogen.com/sds.














Certificate of Analysis

The Certificate of Analysis provides detailed quality control and product qualification information for each product. Certificates of Analysis are available on our website. Go to www.invitrogen.com/support and search for the Certificate of Analysis by product lot number, which is printed on the box.

Related Products

Product Name	Quantity	Catalog No.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Goat anti-rabbit (H+L), HRP conj.	1 mg	G21234
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Nitrocellulose, 0.2 µm	20/pack	LC2000

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

Limited Use Label License: Research Use Only

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