

Tyrosine Hydroxylase Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10460**Specification**

Tyrosine Hydroxylase Antibody - Product Information

Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG

Tyrosine Hydroxylase Antibody - Additional Information

Application & Usage	The antibody can be used for Western blotting (1:1000). However, the optimal conditions should be determined individually.
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Other Names

TH; TYH; Tyrosine hydroxylase

Target/Specificity

Tyrosine Hydroxylase

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

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

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Tyrosine Hydroxylase Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

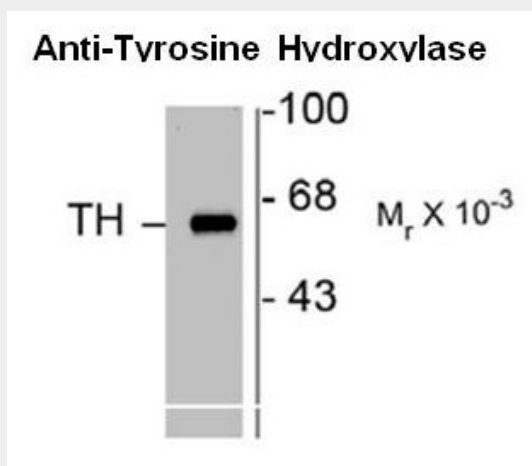
Tyrosine Hydroxylase Antibody - Protein Information

Tyrosine Hydroxylase Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Tyrosine Hydroxylase Antibody - Images



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

Tyrosine Hydroxylase Antibody - Background

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; Dunkley et al., 2004).