

Anti-Tyrosine Hydroxylase Antibody

Our Anti-Tyrosine Hydroxylase sheep polyclonal primary antibody from PhosphoSolutions is produced in Catalog # AN1598

Specification

Anti-Tyrosine Hydroxylase Antibody - Product Information

Application WB, IHC
Primary Accession P04177
Host Sheep
Clonality Polyclonal Isotype IgG

Calculated MW 55966

Anti-Tyrosine Hydroxylase Antibody - Additional Information

Gene ID **25085**

Other Names

Dystonia 14 antibody, DYT14 antibody, DYT5b antibody, EC 1.14.16.2 antibody, OTTHUMP0000011225 antibody, OTTHUMP00000011226 antibody, ple antibody, Protein Pale antibody, TH antibody, The antibody, TY3H_HUMAN antibody, TYH antibody, Tyrosine 3 hydroxylase antibody, Tyrosine 3 monooxygenase antibody, Tyrosine 3-hydroxylase antibody, Tyrosine 3-monooxygenase antibody, Tyrosine hydroxylase antibody

Target/Specificity

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).

Dilution

WB~~1:1000 IHC~~1:100~500

Format

Antigen Affinity Purified from Pooled Serum

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

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

Shipping

Blue Ice

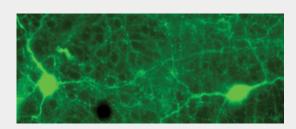


Anti-Tyrosine Hydroxylase Antibody - Protocols

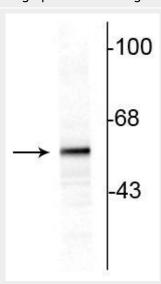
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Tyrosine Hydroxylase Antibody - Images



Immunostaining of rabbit retina showing specific labeling of tyrosine hydroxylase in green.



Western blot of 10ug of rat striatal lysate showing specific immunolabeling of the $\sim\!60$ kDa tyrosine hydroxylase protein.

Anti-Tyrosine Hydroxylase Antibody - Background

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