

Datasheet for ABIN462131

**anti-Tyrosine Hydroxylase antibody**

3 Images

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## Overview

Quantity:	50 µL
Target:	Tyrosine Hydroxylase (TH)
Reactivity:	Rat, Human, Mouse, Cat, Ferret
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tyrosine Hydroxylase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Brand:	IHC-plus™
Immunogen:	Denatured tyrosine hydroxylase from rat pheochromocytoma (denatured by sodium dodecyl sulfate).  Type of Immunogen: Purified protein
Isotype:	IgG
Specificity:	Recognizes tyrosine hydroxylase. Species cross-reactivity: Mouse, human, ferret, feline and Aplysia (marine mollusc). Because Tyrosine Hydroxylase is highly conserved, this antibody is expected to cross-react with most mammalian species and many non-mammalian species.
Purification:	Immunoaffinity purified

## Target Details

Target:	Tyrosine Hydroxylase (TH)
Alternative Name:	TH / Tyrosine Hydroxylase ( <a href="#">TH Products</a> )
Background:	Name/Gene ID: TH Family: Monooxygenase  Synonyms: TH, DYT14, Dystonia 14, TYH, Tyrosine 3-hydroxylase, Tyrosine hydroxylase, DYT5b, Tyrosine 3-monooxygenase
Gene ID:	7054
UniProt:	<a href="#">P07101</a>
Pathways:	<a href="#">Dopaminergic Neurogenesis</a> , <a href="#">Response to Water Deprivation</a> , <a href="#">Sensory Perception of Sound</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Feeding Behaviour</a>

## Application Details

Application Notes:	Approved: ELISA, IF (1:100 - 1:1000), IHC, IHC-Fr, IHC-P (1:100), IP, WB (1:1000)  Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. Western Blot: 1:1000 on 10 µg of PC12 lysates. Immunofluorescence: 1:100-1:1000. Fixed with 4 % PFA overnight at 4C.
Comment:	Target Species of Antibody: Rat
Restrictions:	For Research Use only

## Handling

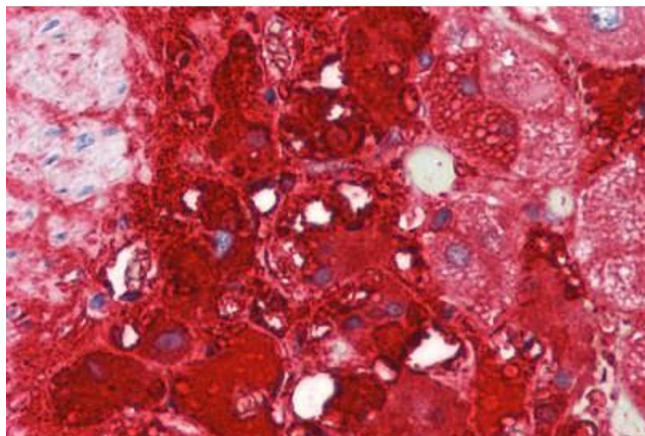
Format:	Liquid
Concentration:	Lot specific
Buffer:	10 mM HEPES, pH 7.5, 150 mM sodium chloride, 0.1 mg/mL BSA, 50 % glycerol.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C, -20 °C

## Handling

Storage Comment:

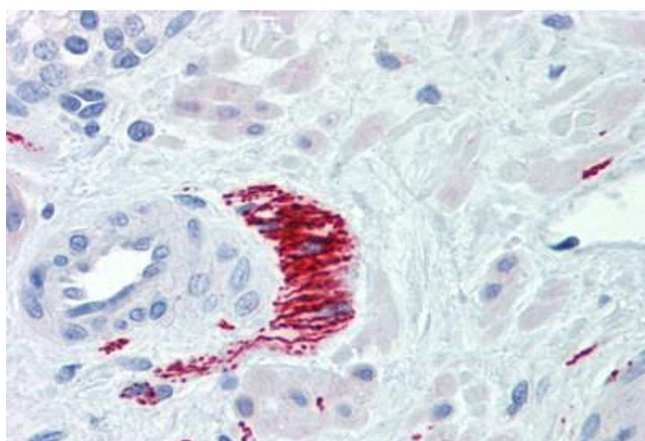
Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.

## Images



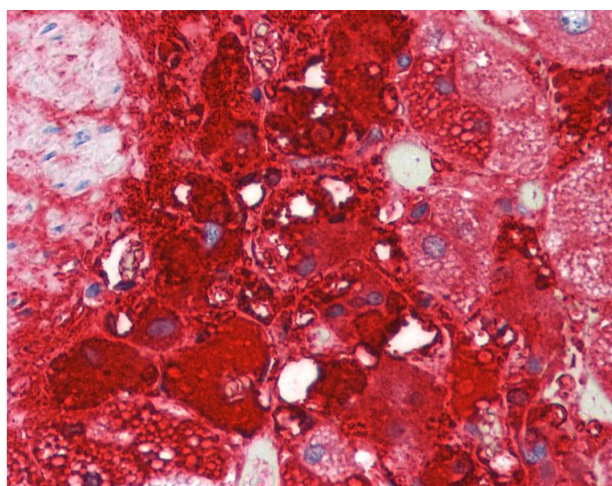
### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Human Adrenal (formalin-fixed, paraffin-embedded) stained with TH antibody ABIN462131 followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Human Prostate, Nerve (formalin-fixed, paraffin-embedded) stained with TH antibody ABIN462131 followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



### Immunohistochemistry

**Image 3.** Anti-TH / Tyrosine Hydroxylase antibody IHC of human adrenal. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 1:100.