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Datasheet for ABIN6255191

## anti-Tyrosine Hydroxylase antibody (pSer31)

### 5 Images

#### Overview

Quantity:	100 µL
Target:	Tyrosine Hydroxylase (TH)
Binding Specificity:	pSer31
Reactivity:	Rat, Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tyrosine Hydroxylase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA, Immunocytochemistry (ICC)

#### Product Details

Immunogen:	A synthesized peptide derived from human Tyrosine Hydroxylase around the phosphorylation site of Serine 31
Isotype:	IgG
Specificity:	Phospho-Tyrosine Hydroxylase (Ser31) Antibody detects endogenous levels of Tyrosine Hydroxylase only when phosphorylated at Serine 31
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

## Target Details

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Target:	Tyrosine Hydroxylase (TH)
Alternative Name:	Tyrosine Hydroxylase ( <a href="#">TH Products</a> )
Background:	Description: Plays an important role in the physiology of adrenergic neurons. Gene: TH
Molecular Weight:	60kDa
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

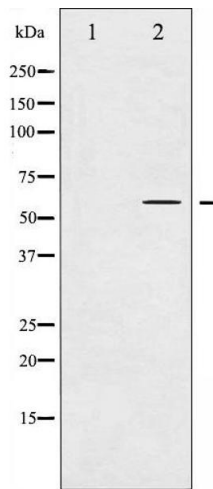
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Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Restrictions:	For Research Use only

## Handling

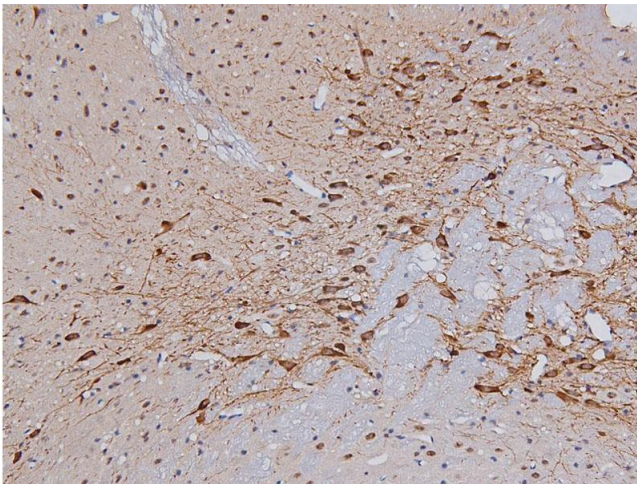
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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C.Stable for 12 months from date of receipt
Expiry Date:	12 months



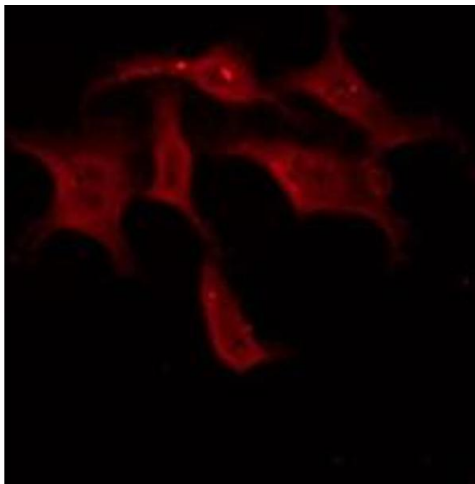
### Western Blotting

**Image 1.** Western blot analysis of Tyrosine Hydroxylase phosphorylation expression in UV treated 293 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



### Immunohistochemistry

**Image 2.** ABIN6267325 at 1/200 staining Rat brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



### Immunofluorescence (fixed cells)

**Image 3.** ABIN6267325 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6255191.