

Datasheet for ABIN3029766

**anti-Tyrosine Hydroxylase antibody (AA 486-514)**[Go to Product page](#)

## 7 Images

## Overview

Quantity:	0.4 mL
Target:	Tyrosine Hydroxylase (TH)
Binding Specificity:	AA 486-514
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tyrosine Hydroxylase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

## Product Details

Immunogen:	A portion of amino acids 486-514 from the human protein was used as the immunogen for this TH antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

## Target Details

Target:	Tyrosine Hydroxylase (TH)
Abstract:	<a href="#">TH Products</a>
Background:	Tyrosine Hydroxylase is involved in the conversion of tyrosine to dopamine. It is the rate-limiting enzyme in the synthesis of catecholamines, and plays a key role in the physiology of adrenergic neurons.

## Target Details

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

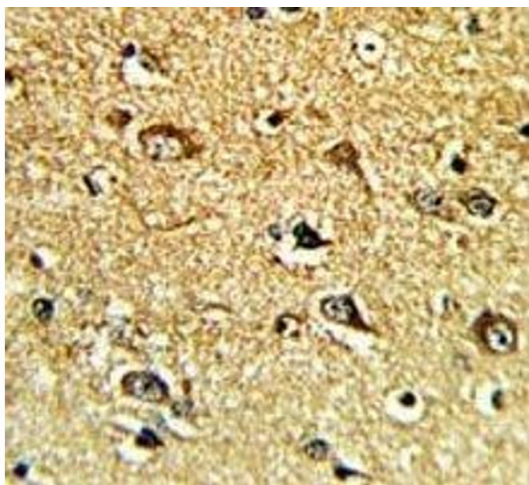
Application Notes:	Titration of the TH antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100,Flow Cytometry: 1:10-1:50
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Restrictions:	For Research Use only
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## Handling

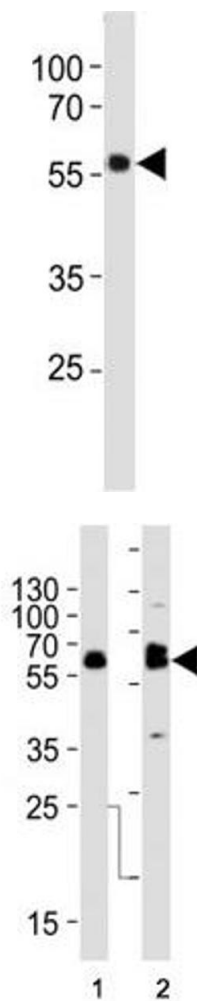
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the TH antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

## Images



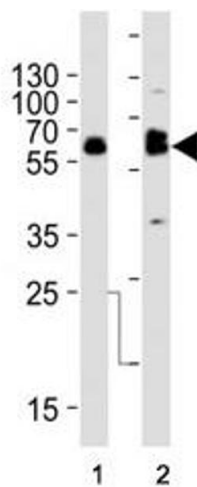
### Immunohistochemistry

**Image 1.** IHC analysis of FFPE human brain tissue with TH antibody



#### Western Blotting

**Image 2.** TH antibody western blot analysis in SH-SY5Y lysate. Predicted molecular weight ~60 kDa.



#### Western Blotting

**Image 3.** Western blot analysis of lysate from (1) SW480 and (2) U-87 MG cell line using TH antibody at 1:1000. Predicted molecular weight ~60 kDa.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN3029766.