



[Go to Product page](#)

Datasheet for ABIN1531205

## anti-Tyrosine Hydroxylase antibody (pSer18)

### 3 Images

#### Overview

Quantity:	100 µg
Target:	Tyrosine Hydroxylase (TH)
Binding Specificity:	AA 10-59, pSer18
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

#### Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human Tyrosine Hydroxylase around the phosphorylation site of Ser19.
Isotype:	IgG
Specificity:	Tyr Hydroxylase (Phospho-Ser19) Antibody detects endogenous levels of Tyr Hydroxylase only when phosphorylated at Ser19. PhosphorylationH:S18 M:S19 R:S19
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

## Target Details

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Target:	Tyrosine Hydroxylase (TH)
Alternative Name:	Tyrosine Hydroxylase ( <a href="#">TH Products</a> )
Background:	Synonyms: TH isoform 3, TH isoform a, TH-4, TY3H, TYH, Tyrosine 3-hydroxylase, Tyrosine 3-monooxygenase, tyrosine hydroxylase NCBI Gene Symbol: TH
Molecular Weight:	58 kDa
Gene ID:	7054
OMIM:	191290
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

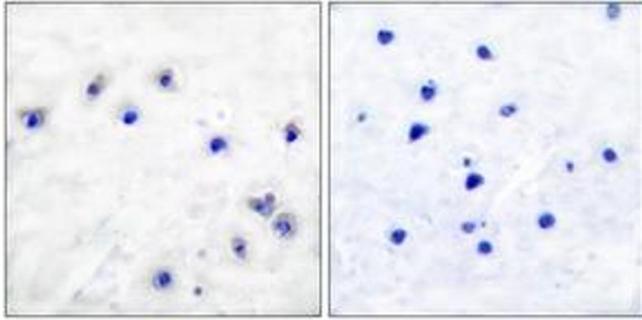
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Application Notes:	WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:5000
Comment:	Unigene-Number: Hs.435609, Hs.523414 (NCBI Gene Symbol: TH)
Restrictions:	For Research Use only

## Handling

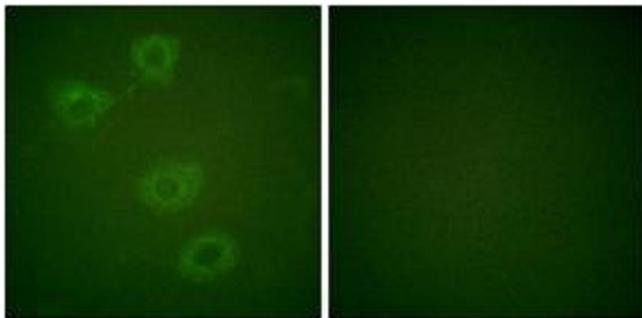
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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



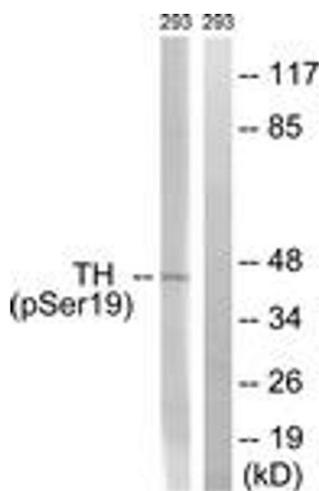
### Immunohistochemistry

**Image 1.** Immunohistochemistry analysis of paraffin-embedded human brain, using Tyrosine Hydroxylase (Phospho-Ser19) Antibody. The picture on the right is treated with the synthesized peptide.



### Immunofluorescence

**Image 2.** Immunofluorescence analysis of HuvEc cells, using Tyrosine Hydroxylase (Phospho-Ser19) Antibody. The picture on the right is treated with the synthesized peptide.



### Western Blotting

**Image 3.** Western blot analysis of extracts from 293 cells treated with Insulin 0.01U/ml 30', using Tyrosine Hydroxylase (Phospho-Ser19) Antibody. The lane on the right is treated with the synthesized peptide.