

**Product Name: Tyrosine Hydroxylase (14U19) Rabbit Monoclonal Antibody****Catalog #: AMRe19472**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.5mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:1000-1:5000,IHC 1:200-1:500,ICC/IF 1:100-1:200
<b>Molecular Weight</b>	58kDa

**Antigen Information**

<b>Gene Name</b>	TH
<b>Alternative Names</b>	EC 1.14.16.2; TH isoform 3; TH isoform a; TH-4; TY3H; TYH; Tyrosine 3-hydroxylase; Tyrosine 3-monooxygenase; tyrosine hydroxylase;
<b>Gene ID</b>	7054.0
<b>SwissProt ID</b>	P07101
<b>Immunogen</b>	A synthetic peptide of human Tyrosine Hydroxylase

**Background**

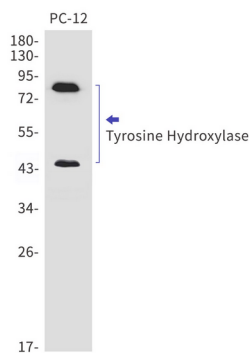
Tyrosine hydroxylase (TH) catalyzes the rate-limiting step in the synthesis of the neurotransmitter dopamine and other

catecholamines. TH functions as a tetramer, with each subunit composed of a regulatory and catalytic domain, and exists in several different isoforms. This enzyme is required for embryonic development since TH knockout mice die before or at birth. Plays an important role in the physiology of adrenergic neurons (By similarity). Positively regulates the regression of retinal hyaloid vessels during postnatal development (By similarity).

## Research Area

Neuroscience

## Image Data



Western blot detection of Tyrosine Hydroxylase in PC-12 cell lysates using Tyrosine Hydroxylase antibody(1:1000 diluted).