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

Summary

Production Name	Tyrosine Hydroxylase (14U19) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

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

Application

Dilution Ratio	WB: 1:1000-1:5000
Molecular Weight	58kDa

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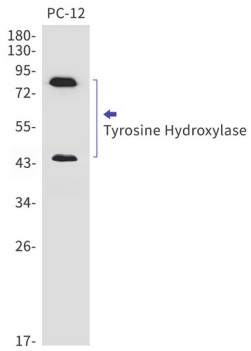
Background

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

Image Data



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

Note

For research use only.