
Product Name: TH Rabbit Polyclonal Antibody**Catalog #: APRab18869**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
Molecular Weight	58kDa

Antigen Information

Gene Name	TH
Alternative Names	TH; TYH; Tyrosine 3-monoxygenase; Tyrosine 3-hydroxylase; TH
Gene ID	25085.0
SwissProt ID	P04177
Immunogen	The antiserum was produced against synthesized peptide derived from human Tyrosine Hydroxylase. AA range:5-54

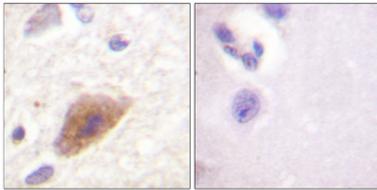
Background

Tyrosine 3-monoxygenase encoded by TH is involved in the conversion of tyrosine to dopamine. It is the rate-limiting enzyme

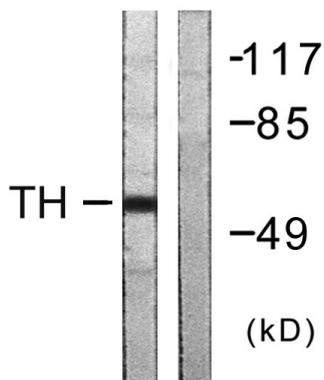
in the synthesis of catecholamines, hence plays a key role in the physiology of adrenergic neurons. Mutations in this gene have been associated with autosomal recessive Segawa syndrome. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.

Research Area

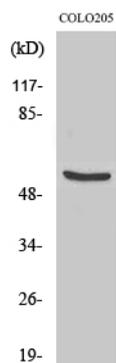
Image Data



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Tyrosine Hydroxylase Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO205 cells, using Tyrosine Hydroxylase Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using TH Polyclonal Antibody