

Product Name: TH Rabbit Polyclonal Antibody
Catalog #: APRab18869



Summary

Production Name	TH Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC, WB, ELISA
Reactivity	Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

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

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC-p:1:50-300 ELISA: 1:20000..
Molecular Weight	58kD

Background

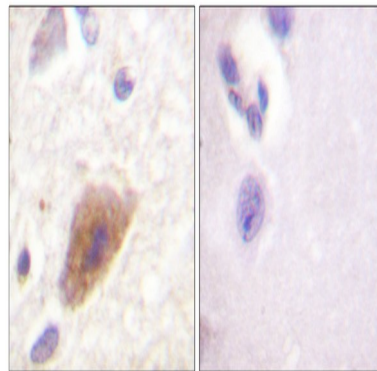
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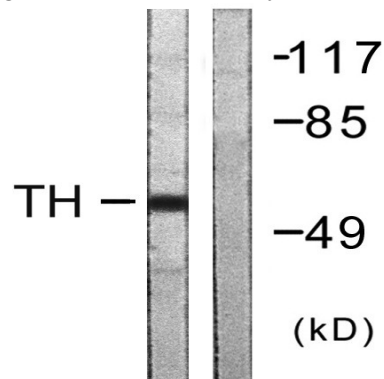
Tyrosine 3-monoxygenase encoded by TH is involved in the conversion of tyrosine to dopamine. It is the rate-limiting enzyme in the synthesis of catecholamines, hence plays a key role in the physiology of adrenergic neurons. Mutations in this gene have been associated with autosomal recessive Segawa syndrome. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.

Research Area

Image Data

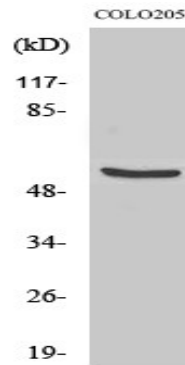


Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Tyrosine Hydroxylase Antibody. The picture on the right is blocked with the synthesized peptide.



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

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Western Blot analysis of various cells using TH Polyclonal Antibody

Note

For research use only.