

Product Name: TH (phospho Ser8) Rabbit Polyclonal Antibody
Catalog #: APRab05554



Summary

Production Name	TH (phospho Ser8) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,WB,ELISA
Reactivity	Rat

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
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 mouse Tyrosine Hydroxylase around the phosphorylation site of Ser8. AA range:2-51

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000..
Molecular Weight	62kD

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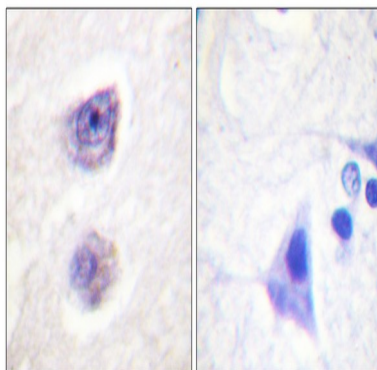


Background

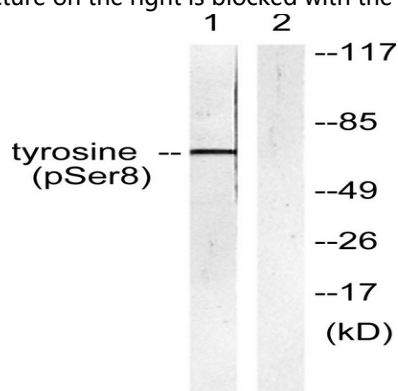
The tyrosine hydroxylase encoded by TH is involved in the conversion of tyrosine to dopamine. It is the rate-limiting enzyme in the synthesis of catecholamines, hence plays a key role in the physiology of adrenergic neurons. Mutations in this gene have been associated with autosomal recessive Segawa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

Research Area

Image Data

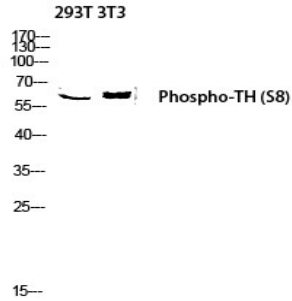


Immunohistochemistry analysis of paraffin-embedded human brain, using Tyrosine Hydroxylase (Phospho-Ser8) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HepG2 cells treated with Anisomycin 25ug/ml 30', using Tyrosine Hydroxylase (Phospho-Ser8) Antibody. The lane on the right is blocked with the phospho peptide.

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Western blot analysis of 293T 3T3 lysis using Phospho-TH (S8) antibody. Antibody was diluted at 1:1000

Note

For research use only.