

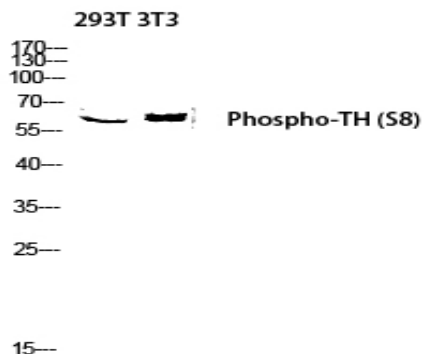
TH (phospho Ser8) Polyclonal Antibody

Catalog No :	YP0677
Reactivity :	Rat
Applications :	WB;IHC;IF;ELISA
Target :	TH
Gene Name :	TH
Protein Name :	Tyrosine 3-monooxygenase
Human Swiss Prot No :	P07101
Rat Gene Id :	25085
Rat Swiss Prot No :	P04177
Immunogen :	The antiserum was produced against synthesized peptide derived from mouse Tyrosine Hydroxylase around the phosphorylation site of Ser8. AA range:2-51
Specificity :	Phospho-TH (S8) Polyclonal Antibody detects endogenous levels of TH protein only when phosphorylated at S8.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	62kD

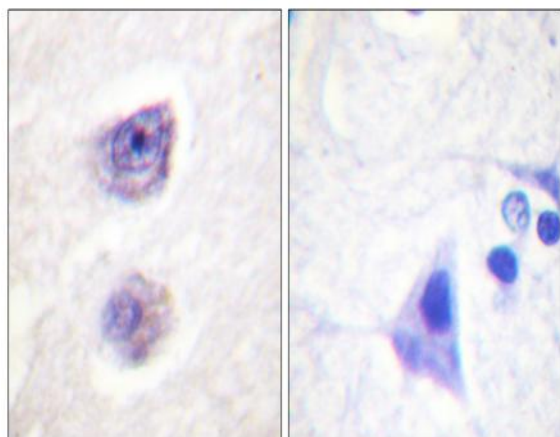
Background :

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.

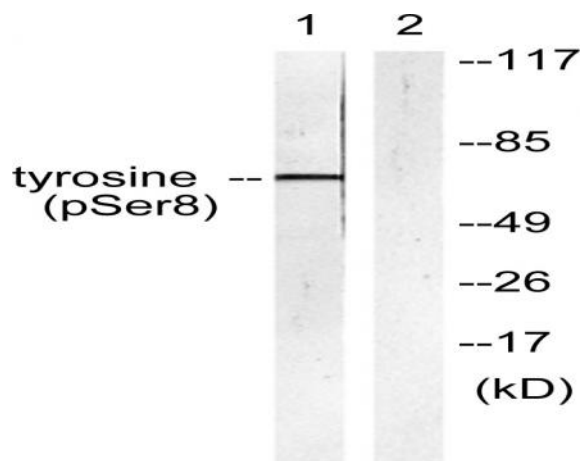
Products Images



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



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.