

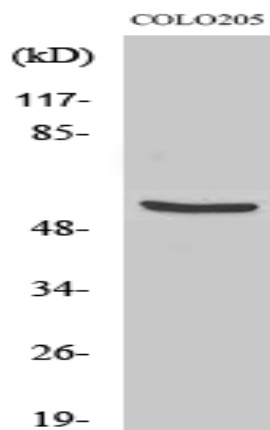
## TH Polyclonal Antibody

<b>Catalog No :</b>	YT4639
<b>Reactivity :</b>	Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	TH
<b>Gene Name :</b>	TH
<b>Protein Name :</b>	Tyrosine 3-monooxygenase
<b>Human Swiss Prot No :</b>	P07101
<b>Rat Gene Id :</b>	25085
<b>Rat Swiss Prot No :</b>	P04177
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human Tyrosine Hydroxylase. AA range:5-54
<b>Specificity :</b>	TH Polyclonal Antibody detects endogenous levels of TH protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000.IHC:1:50-300 ELISA: 1:20000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	58kD

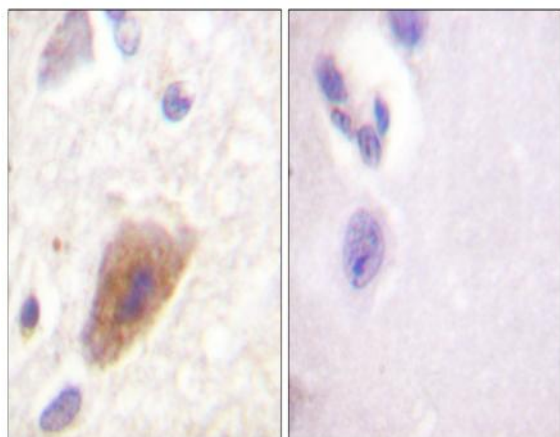
**Background :**

Tyrosine 3-monooxygenase 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.

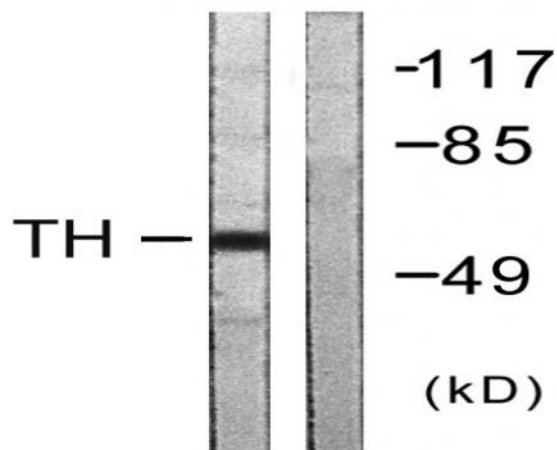
## Products Images



Western Blot analysis of various cells using TH Polyclonal Antibody



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.