

Product datasheet for **TA382487**

Tyrosine Hydroxylase (TH) Rabbit Polyclonal Antibody

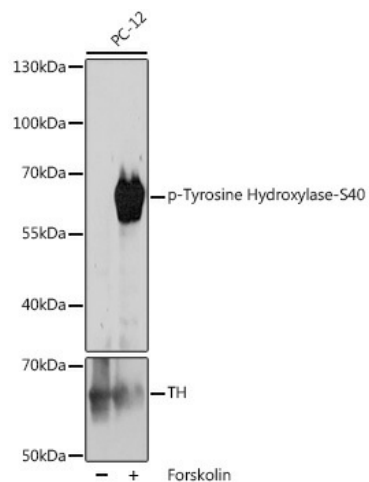
Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB,1:500 - 1:2000
Reactivity:	Rat
Modifications:	Phospho S40
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A phospho specific peptide corresponding to residues surrounding S40 of human Tyrosine Hydroxylase.
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	44kDa/45kDa/55kDa/56kDa/58kDa
Gene Name:	tyrosine hydroxylase
Database Link:	P07101
Background:	The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]
Synonyms:	DYT5b; DYT14; TYH



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Product images:



Western blot analysis of extracts of PC-12 cells, using Phospho-Tyrosine Hydroxylase-S40 pAb (TA382487) at 1:1000 dilution or Tyrosine Hydroxylase antibody (A0028). PC-12 cells were treated by Forskolin (30 μ M) at 37°C for 30 minutes. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25 μ g per lane. | Blocking buffer: 3% BSA. | Detection: ECL Basic Kit. | Exposure time: 3s.