

Product datasheet for **TA392937**

Tyrosine Hydroxylase (TH) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from human TH around the phosphorylation site of S8.
Specificity:	TH (phospho-S8) polyclonal antibody detects endogenous levels of TH protein only when phosphorylated at Ser8.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 58 kDa
Gene Name:	tyrosine hydroxylase
Database Link:	Entrez Gene 7054 Human P07101
Background:	The enzyme tyrosine hydroxylase (TH), also designated tyrosine 3-monooxygenase (TY3H), catalyzes the conversion of tyrosine to L-dopa, which is the rate limiting step in the biosynthesis of catecholamines such as dopamine, adrenalin and noradrenalin. TH is thought to play a role in the pathogenesis of Parkinson's disease, which is associated with reduced dopamine levels. Two transcription factor binding sites in the proximal region of the TH gene, the TPA-responsive element (TRE) and the c-AMP responsive element (CRE), have been implicated in the complex regulation of the TH gene. TH is also known to be upregulated by the glia maturation factor (GMF), a Cdc 10/SWI6 motif-containing protein called V-1, and a variety of additional compounds

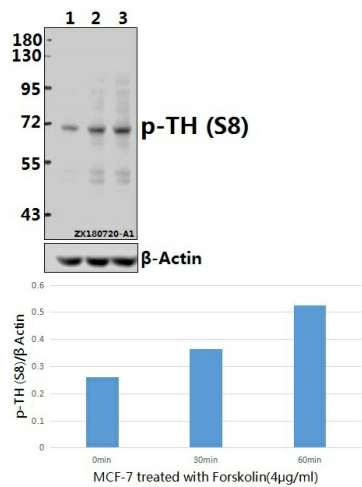


[View online »](#)

Synonyms: TH; TYH; Tyrosine 3-hydroxylase; Tyrosine 3-monoxygenase

Note: For research use only, not for use in diagnostic procedure.

Product images:



Western blot (WB) analysis of p-TH (S8) pAb at 1:500 dilution Lane1:MCF-7 whole cell lysate(40ug) Lane2:MCF-7 treated with Forskolin(4 μ g/ml,30 minutes) whole cell lysate(40ug) Lane3:MCF-7 treated with Forskolin(4 μ g/ml,60 minutes) whole cell lysate(40ug)