

## Product datasheet for TA382486S

### Tyrosine Hydroxylase (TH) Rabbit Polyclonal Antibody

#### Product data:

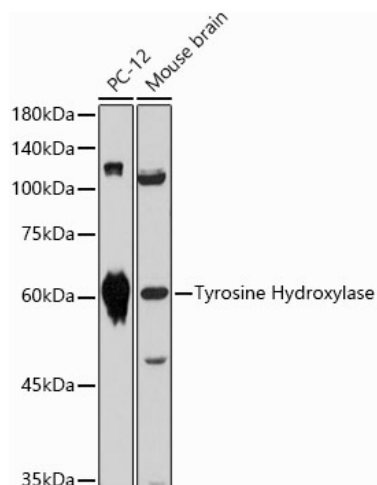
Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	WB,1:500 - 1:2000 IHC,1:50 - 1:200 IF,1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-190 of human Tyrosine Hydroxylase (NP_000351.2).
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:	<a href="#">Entrez Gene 7054 Human P07101</a>
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.



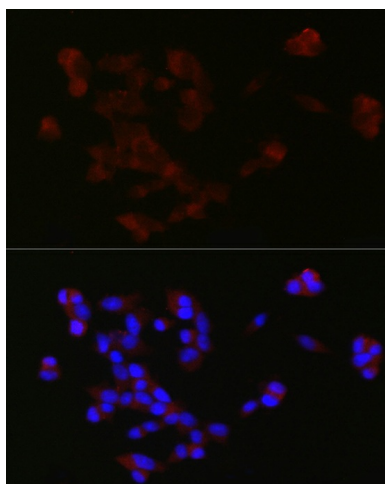
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Synonyms: DYT5b; DYT14; TYH

### Product images:



Western blot analysis of extracts of various cell lines, using Tyrosine Hydroxylase antibody ([TA382486]) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 3s.



Immunofluorescence analysis of SH-SY5Y cells using Tyrosine Hydroxylase Rabbit pAb ([TA382486]) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.