

Product datasheet for **TA305827**

Tyrosine Hydroxylase (TH) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 2-4ug/ml.
Reactivity:	Human (Expected from sequence similarity: Rat, Dog)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-VQDELDTLAHAL, from the C Terminus of the protein sequence according to NP_954986.2; NP_000351.2; NP_954987.2.
Formulation:	0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20C. Minimize freezing and thawing.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tyrosine hydroxylase
Database Link:	NP_000351 Entrez Gene 25085 Rat Entrez Gene 403444 Dog Entrez Gene 7054 Human 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]
Synonyms:	DYT5b; DYT14; TYH



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Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Parkinson's disease, Tyrosine metabolism

Product images:



TA305827 (2ug/ml) staining of Human Cerebral Cortex lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.