

Product datasheet for **TA309266**

Tyrosine Hydroxylase (TH) Rabbit Polyclonal Antibody

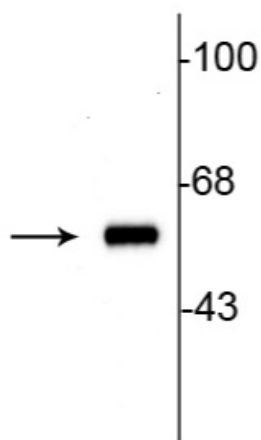
Product data:

Product Type:	Primary Antibodies
Applications:	ICC, IHC, WB
Recommended Dilution:	WB: 1:1,000, IHC: 1:1000, IF: 1:1,000
Reactivity:	Human, Mouse, Rat, Mammalian
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	SDS-denatured, native rat tyrosine hydroxylase purified from pheochromocytoma
Specificity:	Specific for endogenous levels of the ~60 kDa tyrosine hydroxylase protein.
Formulation:	100 µl in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	60 kDa
Gene Name:	tyrosine hydroxylase
Database Link:	NP_000351 Entrez Gene 21823 Mouse Entrez Gene 25085 Rat Entrez Gene 7054 Human P07101
Synonyms:	DYT5b; DYT14; TYH
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Parkinson's disease, Tyrosine metabolism

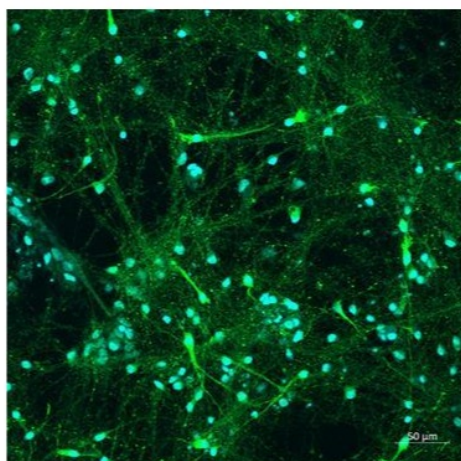


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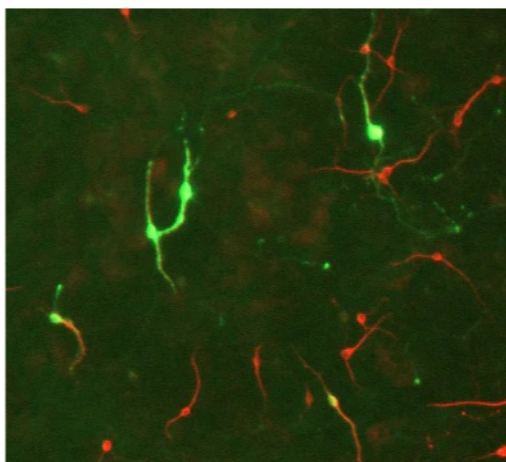
Product images:



Western blot of 10ug of rat striatal lysate showing specific immunolabeling of the ~60 kDa tyrosine hydroxylase protein.



Immunofluorescence of human iPSC-derived dopaminergic neurons labeled with anti-tyrosine hydroxylase (cat. TA309266, green, 1:500). The blue stain is DAPI. Before labeling, cells were fixed with 4% PFA and permeabilized with 0.1 to 0.3 % Triton X.



Immunostaining of E17 rat midbrain mixed neuronal cultures showing TH positive neurons (cat. TA309266 green, 1:500) and MAP2 (cat. [TA309162], red, 1:2000). Before labeling, cells were fixed with 4% PFA in PBS and permeabilized for 1 hour 0.3 % Triton X.