

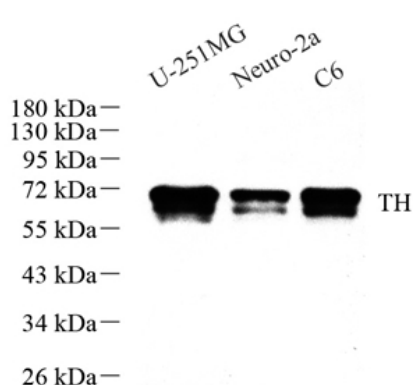


Product name:	Anti-Tyrosine Hydroxylase Rabbit Polyclonal Antibody
Cat number:	ABS11181
Conjugate:	Unconjugated
Host:	Rabbit
Size:	100 µL
Synonyms:	TH, Th, DYT14, DYT5b, TYH, tyrosine hydroxylase, Tyrosine hydroxylase
Concentration:	1mg/ml
Isotype:	IgG
Immunogen:	Recombinant protein corresponding to Mouse Tyrosine Hydroxylase
Reactivity:	Human, Mouse, Rat, Human, Mouse, Rat, Monkey
Applications:	Western Blot: 1: 500-1: 1000 Immunohistochemistry: 1: 500-1: 2000 Immunofluorescence: 1: 500-1: 2000
Molecular Weight:	62 kDa / 62 kDa
Purification:	Affinity purification
Background:	Tyrosine hydroxylase or tyrosine 3-monooxygenase is the enzyme responsible for catalyzing the conversion of the amino acid L-tyrosine to L-3,4-dihydroxyphenylalanine (L-DOPA). It does so using molecular oxygen(O ₂), as well as iron (Fe ²⁺) and tetrahydrobiopterin as cofactors. L-DOPA is a precursor for dopamine, which, in turn, is a precursor for the important neurotransmitters norepinephrine (noradrenaline) and epinephrine(adrenaline). Tyrosine hydroxylase catalyzes the rate limiting step in this synthesis of catecholamines.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/ thaw cycles.

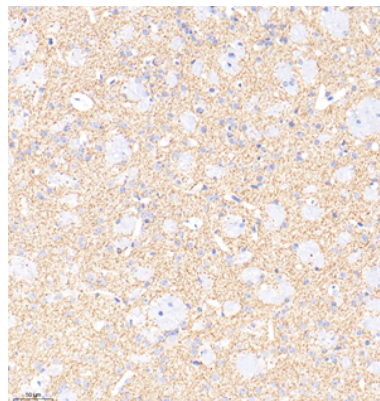
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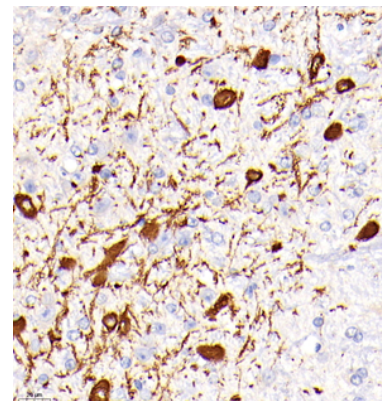
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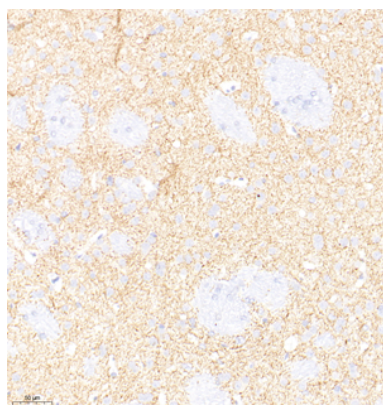
WB analysis of Tyrosine Hydroxylase .
Sample: Protein treated by RIPA Lysis Buffer . Blocking buffer: 3% Nonfat dry milk in TBST, RT, 1h. Primary antibody: 1: 1000, 4°C overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG , 1: 3000, RT, 1h.



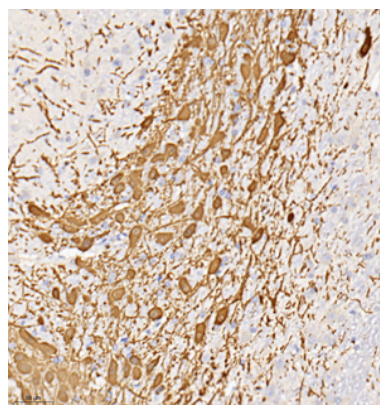
IHC analysis of Tyrosine Hydroxylase .
Sample: Mouse corpus striatum , 4% PFA 12-24h. Antigen retrieval: Citrate buffer ,98°C,20 min. Blocking buffer: 3% BSA in PBS , RT, 30min. Primary antibody: 1: 1000, 4°C overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG , 1: 200 RT 1h.



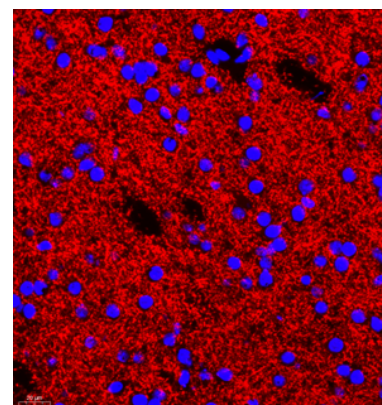
IHC analysis of Tyrosine Hydroxylase .
Sample: Mouse substantia nigra , 4% PFA 12-24h. Antigen retrieval: Citrate buffer ,98°C,20 min. Blocking buffer: 3% BSA in PBS , RT, 30min. Primary antibody: 1: 1000, 4°C overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG , 1: 200 RT 1h.



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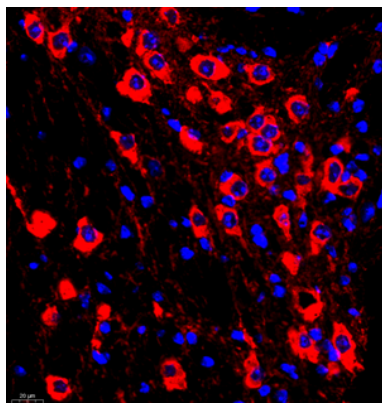


IF analysis of TH . Sample: Mouse corpus striatum , 4% PFA 12-24h. Antigen retrieval: Citrate buffer ,98°C,20 min. Blocking buffer: 3% BSA in PBS , RT, 30min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: Cy3 conjugated Goat Anti-Rabbit IgG , 1: 300 RT, 1h.

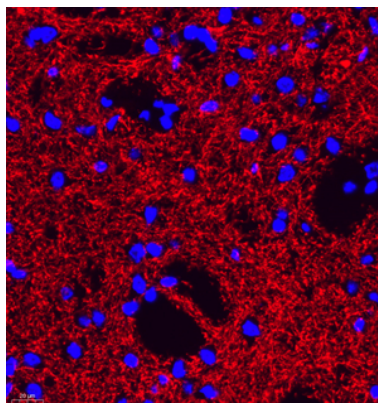
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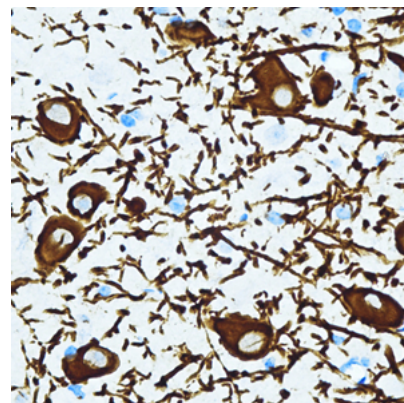
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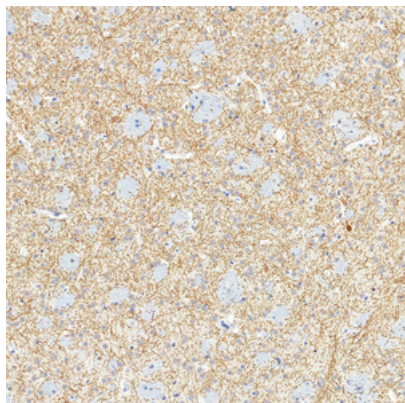
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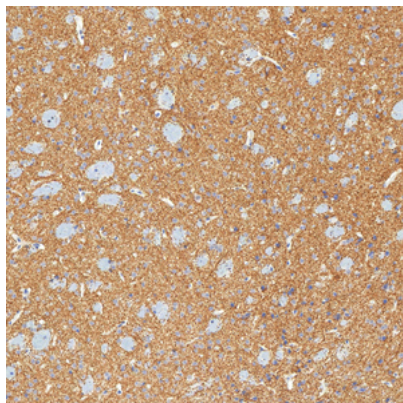
IHC analysis of Tyrosine Hydroxylase . Sample: Monkey brain , 4% PFA 12-24h. Antigen retrieval: Citrate buffer ,98°C,20 min. Blocking buffer: 3% BSA in PBS , RT, 30min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG , 1: 200 RT 1h.

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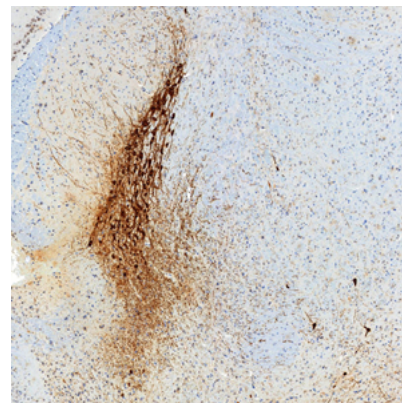
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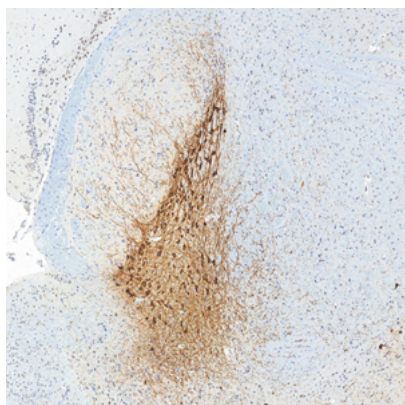
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Sample: Mouse striatum, 4% PFA
12-24h. Antigen retrieval: Citrate buffer
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in PBS , RT, 30min. Primary antibody:
1: 1000, 4°C overnight. Secondary
antibody: S-vision poly-HRP conjugated
Goat Anti-Rabbit IgG , Ready to use,
RT, 20min.



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Sample: Mouse striatum, 4% PFA
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