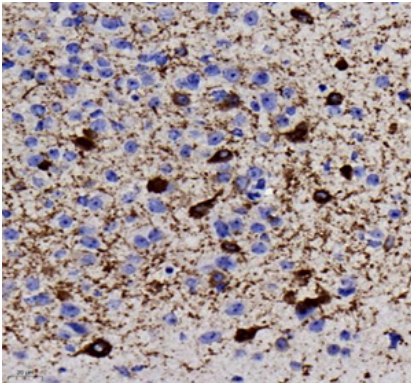
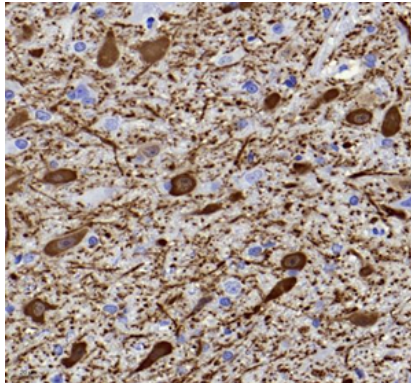


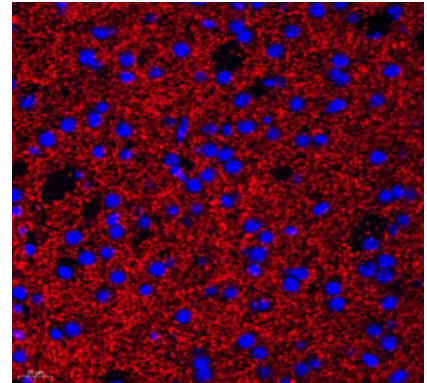
Product name:	Anti-Tyrosine Hydroxylase Mouse mAb
Cat number:	ABS12181
Conjugate:	unconjugated
Size:	100 µL
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG2a,κ
Immunogen:	Recombinant protein corresponding to Mouse Tyrosine Hydroxylase
Reactivity:	Mouse, Rat
Applications:	IHC/IF 1: 500-1: 3000
Purification:	Affinity purification
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.
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(O₂), as well as iron (Fe²⁺) 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. In humans, tyrosine hydroxylase is encoded by the TH gene,and the enzyme is present in the central nervous system (CNS), peripheral sympathetic neurons and the adrenal medulla.Tyrosine hydroxylase, phenylalanine hydroxylase and tryptophan hydroxylase together make up the family of aromatic amino acid hydroxylases(AAAHs). Images



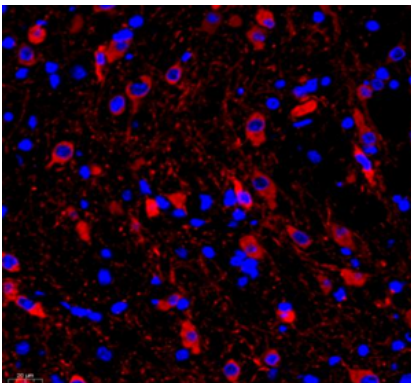
IHC analysis of TH . Sample: Mouse brain , 4% PFA 12-24h. Antigen retrieval: Citrate buffer ,98°C,20 min. Blocking buffer: 3% BSA in PBS , RT, 30min. Primary antibody: 1: 1500, 4°C overnight. Secondary antibody: HRP Goat Anti-Mouse IgG , 1: 200 RT 1h.



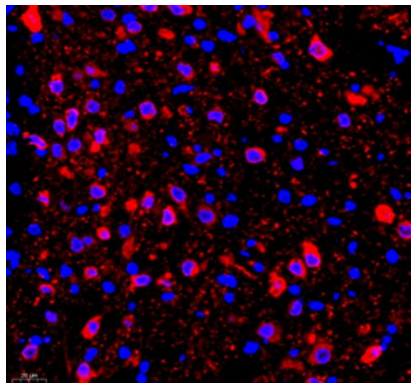
IHC analysis of TH . Sample: Rat brain , 4% PFA 12-24h. Antigen retrieval: Citrate buffer ,98°C,20 min. Blocking buffer: 3% BSA in PBS , RT, 30min. Primary antibody: 1: 1500, 4°C overnight. Secondary antibody: HRP Goat Anti-Mouse IgG , 1: 200 RT 1h.



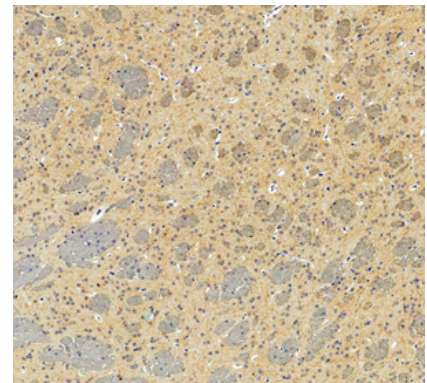
IF analysis of TH . Sample: Mouse corpus striatum , 4% PFA 12-24h. Antigen retrieval: Citrate buffer ,98°C,20 min. Blocking buffer: 3% BSA in PBS , RT, 30min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: Cy3 conjugated Goat Anti-mouse IgG ,1: 200 RT 1h.



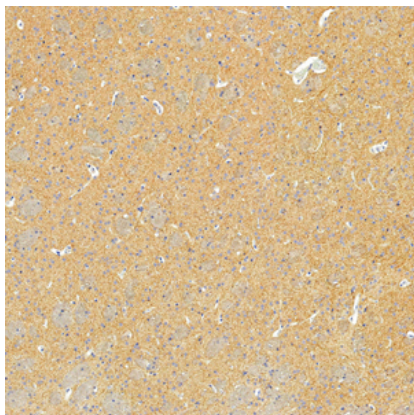
IF analysis of TH . Sample: Mouse substantia nigra , 4% PFA 12-24h. Antigen retrieval: Citrate buffer ,98°C,20 min. Blocking buffer: 3% BSA in PBS , RT, 30min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: Cy3 conjugated Goat Anti-mouse IgG ,1: 200 RT 1h.



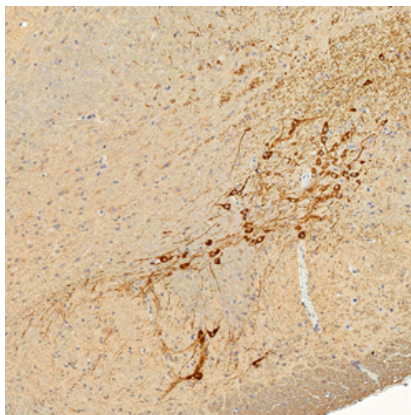
IF analysis of TH . Sample: Rat substantia nigra , 4% PFA 12-24h. Antigen retrieval: Citrate buffer ,98°C,20 min. Blocking buffer: 3% BSA in PBS , RT, 30min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: Cy3 conjugated Goat Anti-mouse IgG ,1: 200 RT 1h.



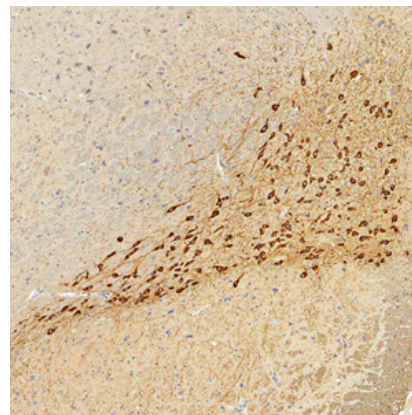
IHC analysis of TH . Sample: Mouse striatum, 4% PFA 12-24h. Antigen retrieval: Citrate buffer ,98°C,20 min. Blocking buffer: 3% BSA in PBS , RT, 30min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Mouse IgG , Ready to use, RT, 20min.



IHC analysis of TH . Sample: Mouse 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: S-vision poly-HRP conjugated Goat Anti-Mouse IgG , Ready to use, RT, 20min.



IHC analysis of TH . 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: 500, 4°C overnight. Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Mouse IgG , Ready to use, RT, 20min.



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