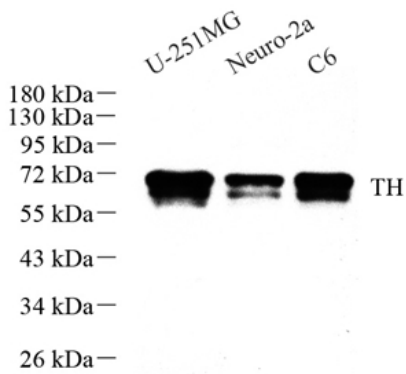
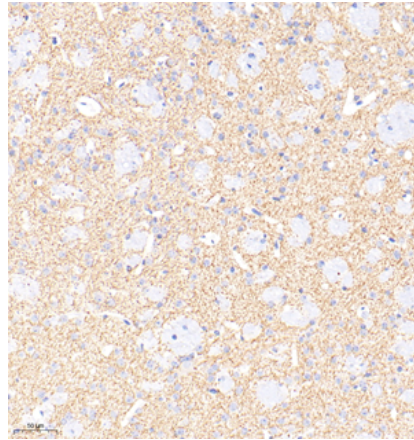


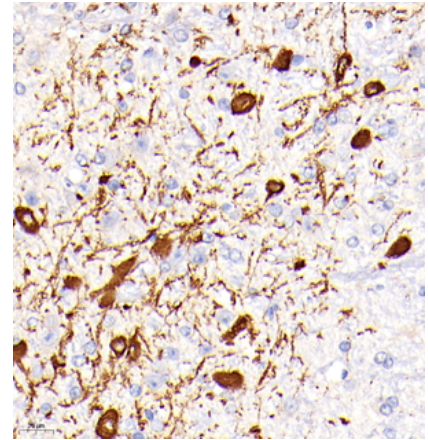
<b>Product name:</b>	Anti-Tyrosine Hydroxylase Rabbit Polyclonal Antibody
<b>Cat number:</b>	ABS11181
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100 µL
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	Recombinant protein corresponding to Mouse Tyrosine Hydroxylase
<b>Reactivity:</b>	Human, Mouse, Rat, Human, Mouse, Rat, Monkey
<b>Applications:</b>	Western Blot: 1: 500-1: 1000 Immunohistochemistry: 1: 500-1: 2000 Immunofluorescence: 1: 500-1: 2000
<b>Molecular Weight:</b>	62 kDa / 62 kDa
<b>Purification:</b>	Affinity purification
<b>Form:</b>	Liquid
<b>Buffer:</b>	PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/ thaw cycles.
<b>Background:</b>	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 <sub>2</sub> ), as well as iron (Fe <sup>2+</sup> ) 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.



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.