

## Anti-Tyrosine Hydroxylase Polyclonal Antibody

### Product Details

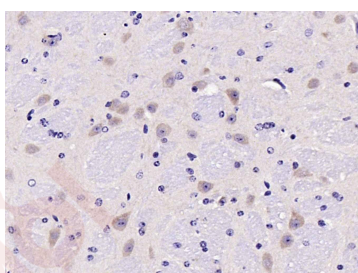
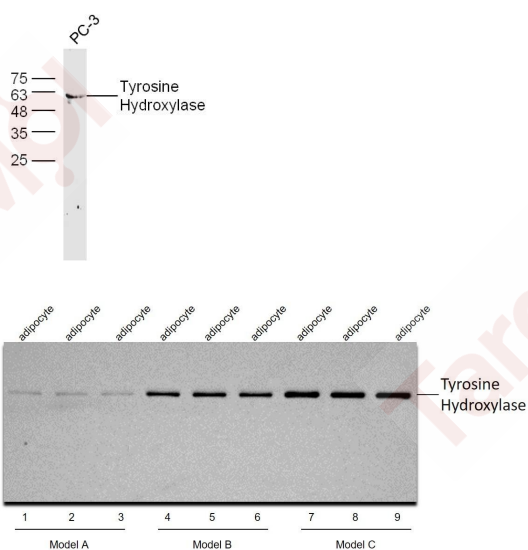
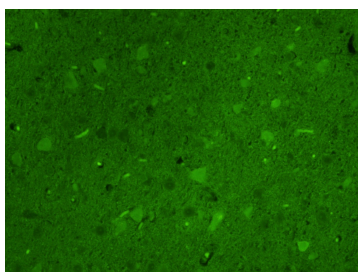
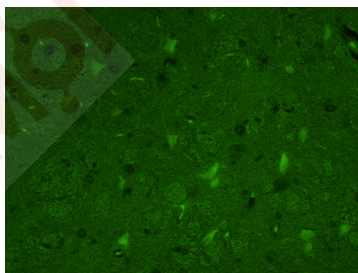
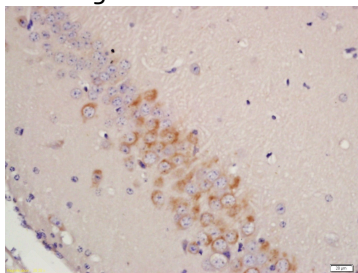
Ig Type:	IgG
Reactivity:	Mouse,Rat,Human
Molecular Weight:	Theoretical: 60 kDa. Actual: 60 kDa.
Purification:	Protein A purified

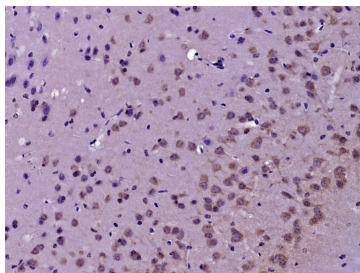
### Applications

1. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-Tyrosine Hydroxylase Polyclonal Antibody, Unconjugated (TMAB-01924) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.
2. Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Tyrosine Hydroxylase) Polyclonal Antibody, Unconjugated (TMAB-01924) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody for 90 minutes, and DAPI for nucleus staining.
3. Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Tyrosine Hydroxylase) Polyclonal Antibody, Unconjugated (TMAB-01924) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody for 90 minutes, and DAPI for nucleus staining.
4. Sample: PC-3 (Mouse) Lysate at 30 µg  
Primary: Anti-Tyrosine Hydroxylase (TMAB-01924) at 1:300 dilution;  
Secondary: HRP conjugated Goat-Anti-rabbit IgG (secondary antibody) at 1:5000 dilution;  
Predicted band size:60 kDa  
Observed band size:60 kDa
5. Sample: adipocyte (mouse) Lysate at 5-10 µg  
model A, model B, model C are from different mice;  
Primary: Anti-Tyrosine Hydroxylase (TMAB-01924) at 1/2000 dilution  
Predicted band size: 60 kDa  
Observed band size: 60 kDa
6. Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Tyrosine Hydroxylase) Polyclonal Antibody, Unconjugated (TMAB-01924) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
7. Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Tyrosine Hydroxylase) Polyclonal Antibody, Unconjugated (TMAB-01924) at 1:

Verified Activity:

400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.





Application: WB,IHC-P,IHC-F,IF,FCM,ICC/IF

Recommended WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,FCM=1:100-200,ICC/IF=1:50-200

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: mouse TH

Antigen Species: Mouse

Gene ID: 21823

Uniprot ID: P24529

Synonyms: tyrosine hydroxylase

Biology Area: Noradrenaline,Dopamine,Soma marker,Hypoxia,Hormone biosynthesis,Response to hypoxia,Hormone biosynthesis

### Research 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, Jul 2008]

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