



Rabbit Anti-Tyrosine Hydroxylase antibody

SL0016R

Product Name:	Tyrosine Hydroxylase
Chinese Name:	酪氨酸羟化酶抗体
Alias:	Tyrosine Hydroxylase; DYT14; DYT5b; ple; Protein Pale; c; The; TYH; Tyrosine 3 hydroxylase; Tyrosine 3 monooxygenase; Tyk2; TY3H_HUMAN; Tyrosine 3-monooxygenase; Tyrosine 3-hydroxylase; TH.
文献引用 PubMed :	Specific References(1) SL0016R has been referenced in 1 publications. [IF=1.09] Yu, Yaping, et al. "Overexpression of lactate dehydrogenase-A in human intrahepatic cholangiocarcinoma: its implication for treatment." World Journal of Surgical Oncology 12.1 (2014): 78. WB;Human. PubMed:24679073
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human, Mouse, Rat, Dog, Cow,
Applications:	WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	60kDa
Cellular localization:	cytoplasmic The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TH:101-165/528
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year

	when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>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]</p> <p>Function: Plays an important role in the physiology of adrenergic neurons.</p> <p>Tissue Specificity: Mainly expressed in the brain and adrenal glands.</p> <p>DISEASE: Defects in TH are the cause of Segawa syndrome autosomal recessive (ARSEGS) [MIM:605407]. A form of DOPA-responsive dystonia presenting in infancy or early childhood. Dystonia is defined by the presence of sustained involuntary muscle contractions, often leading to abnormal postures. Some cases present with parkinsonian symptoms in infancy. Unlike all other forms of dystonia, it is an eminently treatable condition, due to a favorable response to L-DOPA. Note=May play a role in the pathogenesis of Parkinson disease (PD). A genome-wide copy number variation analysis has identified a 34 kilobase deletion over the TH gene in a PD patient but not in any controls.</p> <p>Similarity: Belongs to the bipterin-dependent aromatic amino acid hydroxylase family.</p> <p>SWISS: P07101</p> <p>Gene ID: 7054</p> <p>Database links:</p> <p>Entrez Gene: 7054 Human</p> <p>Entrez Gene: 21823 Mouse</p> <p>Entrez Gene: 25085 Rat</p> <p>Omim: 191290 Human</p>

[SwissProt: P07101](#) Human

[SwissProt: P24529](#) Mouse

[SwissProt: P04177](#) Rat

[Unigene: 435609](#) Human

[Unigene: 1292](#) Mouse

[Unigene: 11082](#) Rat

Important Note:

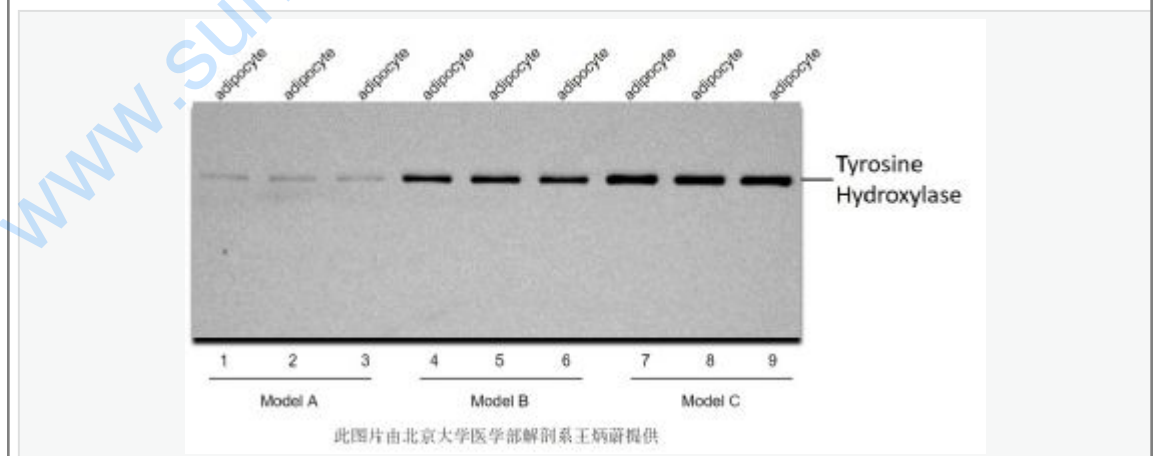
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

神经细胞Maker

酪氨酸羟化酶(TH)是儿茶酚胺类神经递质即多巴胺、去甲肾上腺素、肾上腺素生物合成过程所需的限速酶,它以四氢生物喋呤(BH4)为辅酶,催化酪氨酸的羟化而生成多巴(DOPA)。

已知在患帕金森病(Parkinson disease,PD)时,脑内多巴胺(dopamine,DA)的减少与此酶活性低下有关。因此对PD模型动物来说,若将TH基因植入脑内,便可以提高脑内DA水平而达到基因治疗目的。

Picture:



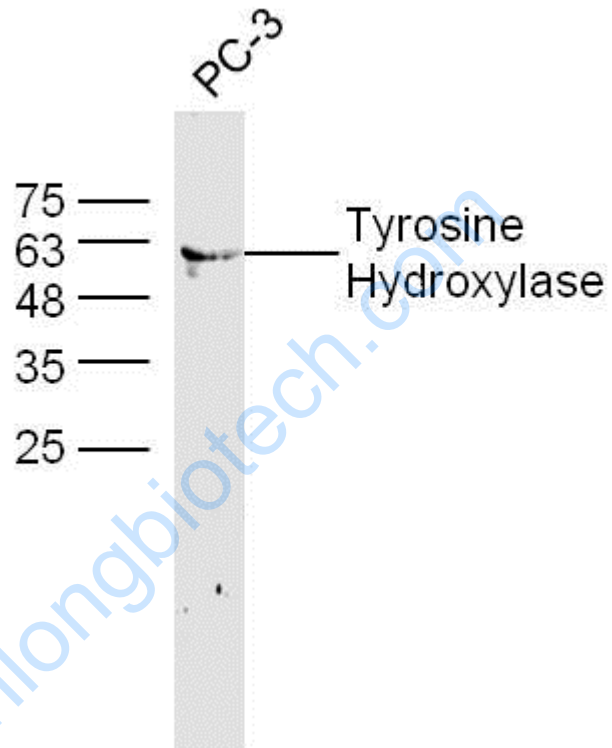
Sample: adipocyte (mouse) Lysate at 5-10 ug

model A, model B, model C are from different mice; Primary: Anti-Tyrosine

Hydroxylase(SL0016R) at 1/2000 dilution

Predicted band size: 60 kD

Observed band size: 60 kD



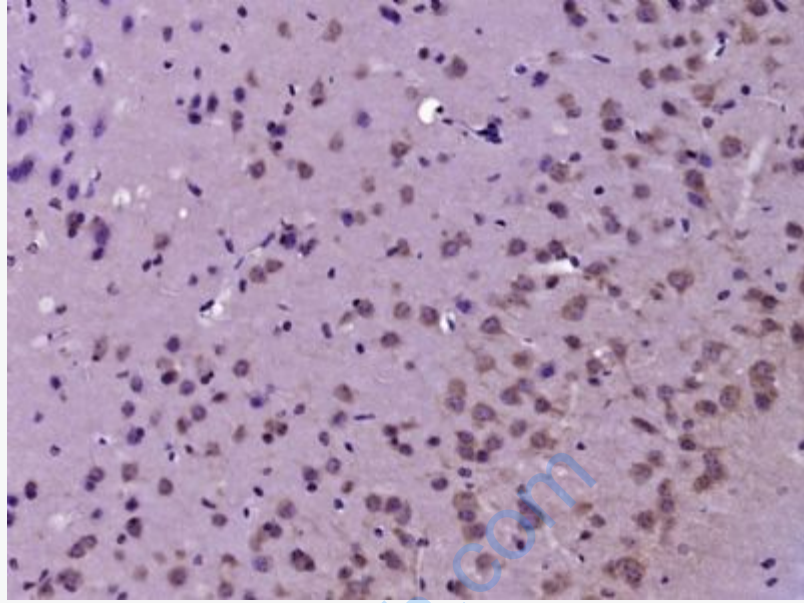
Sample: PC-3 (Mouse) Lysate at 30 ug

Primary: Anti-Tyrosine Hydroxylase (SL0016R) at 1:300 dilution;

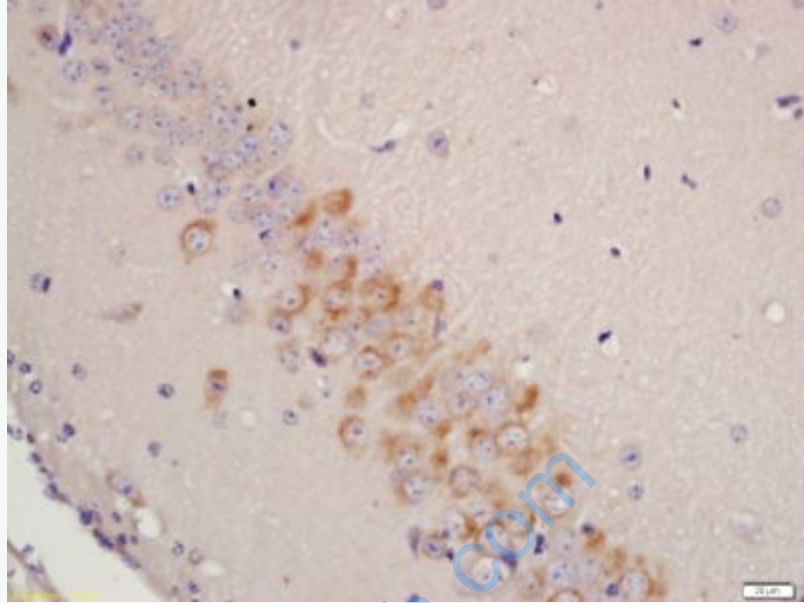
Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL0016R) at 1:5000 dilution;

Predicted band size:60 kD

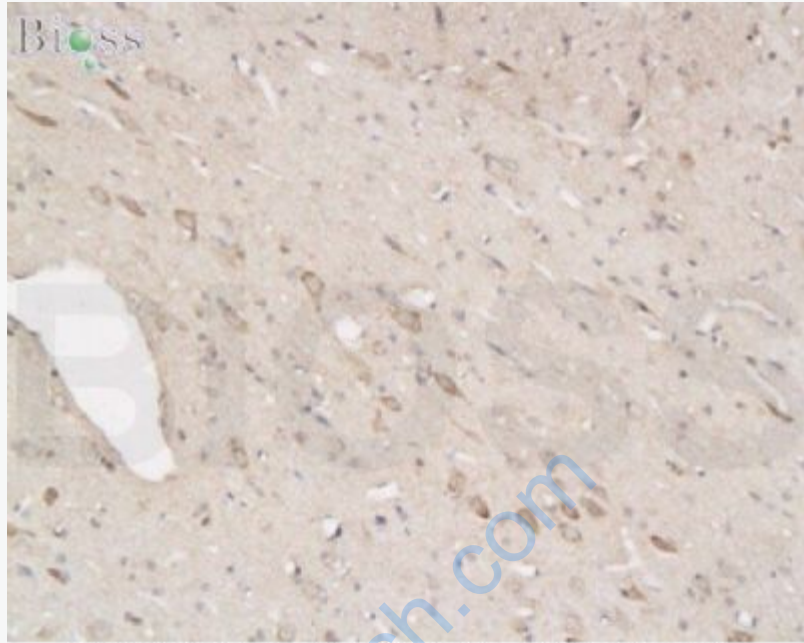
Observed band size:60 kD



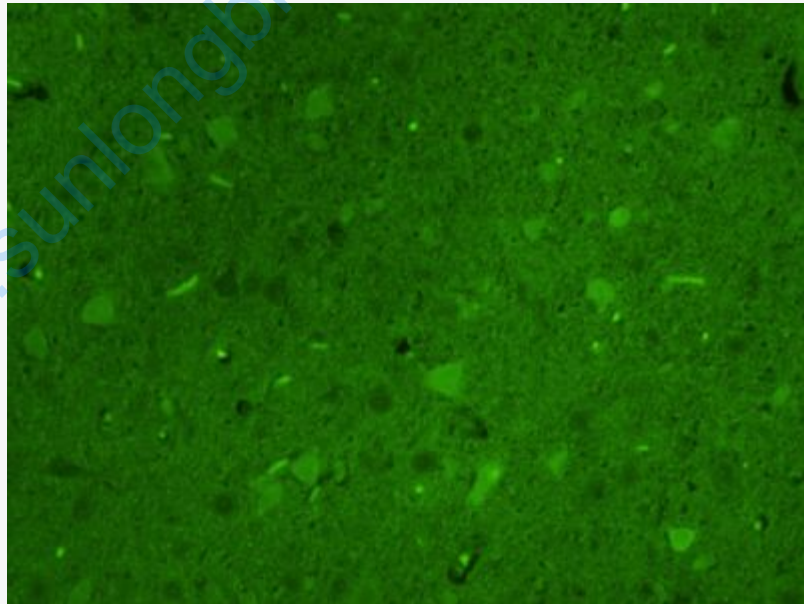
Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Tyrosine Hydroxylase) Polyclonal Antibody, Unconjugated (SL0016R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-Tyrosine Hydroxylase Polyclonal Antibody, Unconjugated(SL0016R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

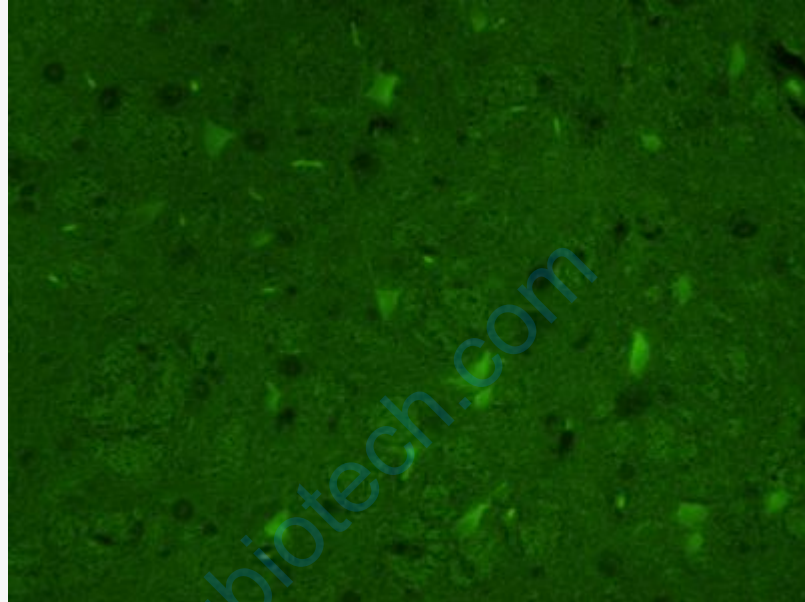


bs-0016R Anti-Tyrosine Hydroxylase(Neural Marker)/Tyk2/TYH
Formalin-fixed and paraffin-embedded rat brain tissue(Snr) labeled with Rabbit Anti-Tyrosine Hydroxylase(TH) Polyclonal Antibody, Unconjugated(bs-0016R) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Tyrosine Hydroxylase) Polyclonal Antibody,

Unconjugated (SL0016R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (SL0016R) for 90 minutes, and DAPI for nuclei staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Tyrosine Hydroxylase) Polyclonal Antibody, Unconjugated (SL0016R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (SL0016R) for 90 minutes, and DAPI for nuclei staining.