

Datasheet for ABIN723635

anti-Tyrosine Hydroxylase antibody (AA 101-165)[4 Images](#)[5 Publications](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Tyrosine Hydroxylase (TH)
Binding Specificity:	AA 101-165
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tyrosine Hydroxylase antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Tyrosine Hydroxylase
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow
Purification:	Purified by Protein A.

Target Details

Target:	Tyrosine Hydroxylase (TH)
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Target Details

Alternative Name:	Tyrosine Hydroxylase (TH Products)
Background:	Synonyms: TYH, DYT14, DYT5b, Tyrosine 3-monooxygenase, Tyrosine 3-hydroxylase, TH Background: Neuronal Marker Tyrosine hydroxylase is involved in the conversion of tyrosine to dopamine. As the rate-limiting enzyme in the synthesis of catecholamines, tyrosine hydroxylase has a key role in the physiology of adrenergic neurons. Tyrosine hydroxylase is regularly used as a marker for dopaminergic neurons, which is particularly relevant for research into Parkinson's disease.
Gene ID:	7054
UniProt:	P07101
Pathways:	Dopaminergic Neurogenesis , Response to Water Deprivation , Sensory Perception of Sound , Carbohydrate Homeostasis , Feeding Behaviour

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

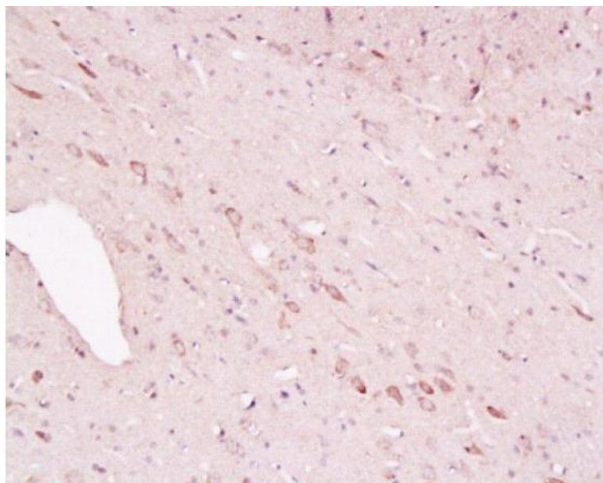
- Product cited in: Shu, Huang, Zeng, He, Luo, Liu, Li, Xu: "Connexin 43 is involved in the sympathetic atrial fibrillation in canine and canine atrial myocytes." in: **Anatolian journal of cardiology**, Vol. 18, Issue 1, pp. 3-9, (2019) ([PubMed](#)).
- Häfner, Bohnenpoll, Rudat, Schultheiss, Kispert: "Fgfr2 is required for the expansion of the early adrenocortical primordium." in: **Molecular and cellular endocrinology**, Vol. 413, pp. 168-77, (2015) ([PubMed](#)).
- Yu, Liao, Liu, Chen, Feng, Fu: "Overexpression of lactate dehydrogenase-A in human intrahepatic cholangiocarcinoma: its implication for treatment." in: **World journal of surgical oncology**, Vol. 12, pp. 78, (2014) ([PubMed](#)).
- Li, Shang, Shu, Zhang, Ji, Sun, Li, Xie: "gga-miR-375 plays a key role in tumorigenesis post subgroup J avian leukosis virus infection." in: **PLoS ONE**, Vol. 9, Issue 4, pp. e90878, (2014) ([PubMed](#)).

Images



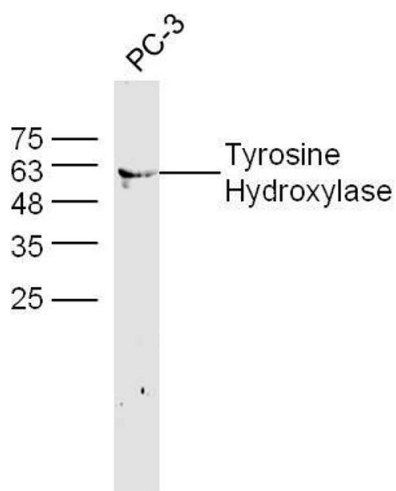
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti-Tyrosine Hydroxylase (Neuronal Marker) /Tyk2/TYH Polyclonal Antibody, Unconjugated (ABIN723635) 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti-Tyrosine Hydroxylase(Neural Marker)/Tyk2/TYH Polyclonal Antibody, Unconjugated 1:200 followed by conjugation to the secondary antibody and DAB staining



Western Blotting

Image 3. Human PC-3 lysates probed with Tyrosine Hydroxylase Polyclonal Antibody, unconjugated at 1:300 overnight at 4°C followed by a conjugated secondary antibody at 1:10000 for 60 minutes at 37°C.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN723635.