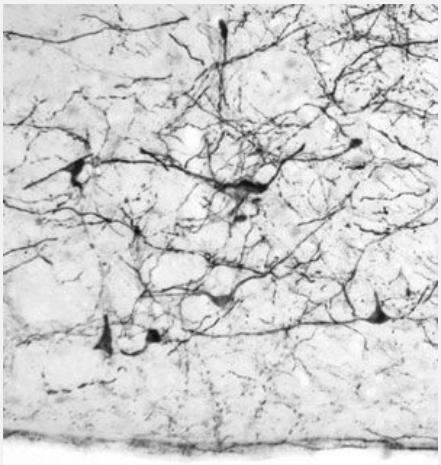
TH polyclonal antibody

Catalog # PAB29094 Size 200 ug

Applications



TH polyclonal antibody (Cat # PAB29094) was analyzed by immunohistochemical staining (at a concentration of 3 ug/mL). Immunohistological staining in the mouse subcutania nigra section.

Specification

Product Description	Chicken polyclonal antibody raised against recombinant Human TH.
Immunogen	Two different KLH-conjugated synthetic peptides corresponding to different regions of the TH gene p roduct. These peptide sequences were shared between the mouse (P24529) and human (P07101) gene products.
Host	Chicken
Reactivity	Human, Mouse
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgY
Quality Control Testing	Immunohistochemistry TH polyclonal antibody (Cat # PAB29094) was analyzed by immunohistochemical staining (at a conc entration of 3 ug/mL). Immunohistological staining in the mouse subcutania nigra section.

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Recommend Usage	Immunocytochemistry(1:1000-1:2000) Immunohistochemistry(1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.02% sodium azide)
Storage Instruction	Store at 4°C and avoid from light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Immunocytochemistry

Gene Info — TH

Entrez GeneID	7054
Protein Accession#	P07101
Gene Name	TH
Gene Alias	TYH
Gene Description	tyrosine hydroxylase
Omim ID	191290
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is involved in the conversion of tyrosine to dopamine. It is the rat e-limiting enzyme in the synthesis of catecholamines, hence plays a key role in the physiology of a drenergic neurons. Mutations in this gene have been associated with autosomal recessive Sega wa syndrome. Alternatively spliced transcript variants encoding different isoforms have been note d for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000011225|OTTHUMP00000011226|tyrosine 3-monooxygenase

Gene Info — Th

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Entrez GeneID	21823
Protein Accession#	P07101
Gene Name	Th
Gene Alias	-
Gene Description	tyrosine hydroxylase
Gene Ontology	Hyperlink
Other Designations	OTTMUSP00000020341

Publication Reference

- Effects of estradiol on dopaminergic synapse formation in the mouse olfactory bulb.

  Emi Kiyokage, Satoshi Ichikawa, Sawa Horie, Shuichi Hayashi, Kazunori Toida.

  The Journal of Comparative Neurology 2023 Mar; 531(4):528.

  Application: IF, Mouse, Mouse coronal

- Neurons generated from carcinoma stem cells support cancer progression.

  Lu R, Fan C, Shangguan W, Liu Y, Li Y, Shang Y, Yin D, Zhang S, Huang Q, Li X, MengW, Xu H, Zhou Z, Hu J, Li W, Liu L, Mo X.

  Signal Transduction and Targeted Therapy 2017 Jan; 2:e16036.

  Application: IF, Human, Human gastric and colorectal cancer stem cells

Pathway

- Isoquinoline alkaloid biosynthesis
- Metabolic pathways
- Tyrosine metabolism

Disease

- Alcoholism

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- Anorexia Nervosa
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Birth Weight
- Body Weight
- Borderline Personality Disorder
- Bulimia
- Cardiomegaly
- Cardiovascular Diseases
- Cognition
- Death
- Depressive Disorder
- Diabetes Mellitus
- Disease Models
- Disease Susceptibility
- Dystonic Disorders
- Edema
- Genetic Predisposition to Disease
- Hypercholesterolemia
- Hypertension
- Hypertrophy
- Insulin Resistance
- Mental Disorders
- Metabolic Syndrome X
- Migraine Disorders
- Multiple Sclerosis

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- Myocardial Infarction
- Obesity
- Ovarian Failure
- Parkinson disease
- Personality Assessment
- Personality Inventory
- Polycystic Ovary Syndrome
- Pre-Eclampsia
- Prostate cancer
- Prostatic Neoplasms
- Psychiatric Status Rating Scales
- Puberty
- Pulmonary Edema
- Schizophrenia
- Schizophrenic Psychology
- Stomach Neoplasms
- Stress
- Sudden Infant Death
- Thrombophilia
- Tobacco Use Disorder
- Weight Gain

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