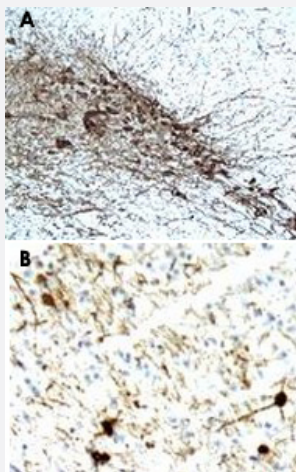


TH polyclonal antibody

Catalog # PAB19558 Size 100 ug

Applications



Immunohistochemistry

Immunohistochemical staining of rat Hippocampus (A) and mouse brain (B) tissue section with TH polyclonal antibody (Cat # PAB19558) at 1:500 dilution. DAB chromogenic staining.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic protein of TH.
Immunogen	Synthetic protein corresponding to human TH.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Lyophilized
Purification	Protein G purification
Recommend Usage	ELISA (1-2 ug/mL) Western Blot (2-10 ug/mL) Immunohistochemistry (2-10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS.

Storage Instruction

Store at -20°C on dry atmosphere.

After reconstitution with deionized water, store at 4°C for one month. For long term storage store at -20°C.

Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

- Immunohistochemistry

Immunohistochemical staining of rat Hippocampus (A) and mouse brain (B) tissue section with TH polyclonal antibody (Cat # PAB19558) at 1:500 dilution. DAB chromogenic staining.

- Enzyme-linked Immunoabsorbent Assay

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 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]

Other Designations OTTHUMP00000011225|OTTHUMP00000011226|tyrosine 3-monooxygenase

Pathway

- [Isoquinoline alkaloid biosynthesis](#)

- [Metabolic pathways](#)
- [Tyrosine metabolism](#)

Disease

- [Alcoholism](#)
- [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](#)
- [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](#)