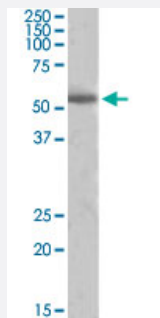


TH polyclonal antibody

Catalog # PAB18662 Size 100 ug

Applications



Western Blot (Tissue lysate)

TH polyclonal antibody (Cat # PAB18662) (2 ug/mL) staining of human cerebral cortex lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of TH.
Immunogen	A synthetic peptide corresponding to amino acids at C-terminus of human TH.
Sequence	C-VQDELDTLAHAL
Host	Goat
Theoretical MW (kDa)	55
Reactivity	Human
Specificity	This antibody is expected to recognise all three reported isoforms (as represented by NP_954986.2; NP_000351.2; NP_954987.2).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL

Recommend Usage	ELISA (1:16000) Western Blot (0.1-0.3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

TH polyclonal antibody (Cat # PAB18662) (2 ug/mL) staining of human cerebral cortex lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — TH

Entrez GeneID	7054
Protein Accession#	NP_954986.2 ; NP_000351.2 ; NP_954987.2
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](#)
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- [Hypercholesterolemia](#)
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- [Insulin Resistance](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
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- [Stomach Neoplasms](#)
- [Stress](#)
- [Sudden Infant Death](#)

- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)