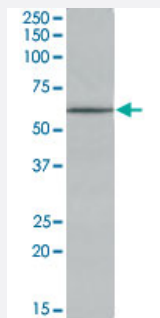


TPH2 polyclonal antibody

Catalog # PAB19755 Size 100 ug

Applications



Western Blot (Cell lysate)

TPH2 polyclonal antibody (Cat # PAB19755) (0.5 ug/mL) staining of HEK293 cell 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 TPH2.
Immunogen	A synthetic peptide corresponding to amino acids 16-29 at N-terminus of human TPH2.
Sequence	RGFSLDSAVPEEHQC
Host	Goat
Theoretical MW (kDa)	56.1
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:128000) Western Blot (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

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 (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — TPH2

Entrez GeneID[121278](#)**Protein Accession#**[NP_775489.2](#)**Gene Name**

TPH2

Gene Alias

FLJ37295, MGC138871, MGC138872, NTPH

Gene Description

tryptophan hydroxylase 2

Omim ID[607478 608516](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a member of the pterin-dependent aromatic acid hydroxylase family. The encoded protein catalyzes the first and rate limiting step in the biosynthesis of serotonin, an important hormone and neurotransmitter. The human genome contains two related tryptophan hydroxylases, one on chromosome 11p15-p14 and one on chromosome 12q21. This gene is expressed predominantly in the brain stem. Mutations in this gene may be associated with psychiatric diseases such as bipolar affective disorder and major depression. [provided by RefSeq]

Other Designations

neuronal tryptophan hydroxylase|tryptophan 5-monoxygenase 2

Pathway

- [Biosynthesis of alkaloids derived from shikimate pathway](#)

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

Disease

- [Alcoholism](#)
- [Alcohol-Related Disorders](#)
- [Anorexia Nervosa](#)
- [Anxiety Disorders](#)
- [Arousal](#)
- [Attention](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Borderline Personality Disorder](#)
- [Brain Injuries](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Child Development Disorders](#)
- [Cocaine-Related Disorders](#)
- [Cognition](#)
- [Cues](#)
- [Decision Making](#)
- [Depression](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)

- [Discrimination \(Psychology\)](#)
- [Disease Models](#)
- [Edema](#)
- [Electroconvulsive Therapy](#)
- [Fatigue Syndrome](#)
- [Gambling](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Heroin Dependence](#)
- [Learning Disorders](#)
- [Liver Cirrhosis](#)
- [Memory](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Mood Disorders](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [NARP](#)
- [Neuropsychological Tests](#)
- [Obsessive-Compulsive Disorder](#)
- [Panic Disorder](#)
- [Personality Assessment](#)
- [Personality Disorders](#)
- [Personality Inventory](#)
- [Personality Tests](#)
- [Postmortem Changes](#)

- [Prenatal Exposure Delayed Effects](#)
- [Psychiatric Status Rating Scales](#)
- [Psychology](#)
- [Psychometrics](#)
- [Psychomotor Performance](#)
- [Psychophysiological Disorders](#)
- [Reaction Time](#)
- [Recurrence](#)
- [Reward](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sleep Disorders](#)
- [Somatoform Disorders](#)
- [Startle Reaction](#)
- [Stress](#)
- [Substance-Related Disorders](#)
- [Sudden Infant Death](#)
- [Task Performance and Analysis](#)
- [Tobacco Use Disorder](#)
- [Uncertainty](#)
- [Visual Perception](#)
- [Weight Gain](#)