

TPH1 monoclonal antibody, clone EDH-20

Catalog # MAB20800 Size 100 uL

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human TPH1.
Immunogen	A synthetic peptide corresponding to human TPH1.
Host	Rabbit
Theoretical MW (kDa)	50.985
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Flow Cytometry Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. 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

- Immunohistochemistry
- Immunocytochemistry

- Immunofluorescence
- Flow Cytometry

Gene Info — TPH1

Entrez GeneID [7166](#)

Protein Accession# [P17752](#)

Gene Name TPH1

Gene Alias MGC119994, TPH, TPRH

Gene Description tryptophan hydroxylase 1

Omim ID [191060](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the aromatic amino acid hydroxylase family. The encoded protein catalyzes the first and rate limiting step in the biosynthesis of serotonin, an important hormone and neurotransmitter. Mutations in this gene have been associated with an elevated risk for a variety of diseases and disorders, including schizophrenia, somatic anxiety, anger-related traits, bipolar disorder, suicidal behavior, addictions, and others

Other Designations indoleacetic acid-5-hydroxylase|tryptophan 5-hydroxylase|tryptophan 5-monooxygenase|tryptophan hydroxylase (tryptophan 5-monooxygenase)

Pathway

- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Metabolic pathways](#)
- [Tryptophan metabolism](#)

Disease

- [Abortion](#)
- [Acute Disease](#)

- [Adolescent Psychology](#)
- [Alcoholism](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Antisocial Personality Disorder](#)
- [Anxiety Disorders](#)
- [Aptitude](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Avoidance Learning](#)
- [Bipolar Disorder](#)
- [Borderline Personality Disorder](#)
- [Bulimia](#)
- [Bulimia Nervosa](#)
- [Cardiovascular Diseases](#)
- [Chromosome Aberrations](#)
- [Chromosome Disorders](#)
- [Conduct Disorder](#)
- [Creativeness](#)
- [Decision Making](#)
- [Depression](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)

- [Diseases in Twins](#)
- [Dyskinesia](#)
- [Edema](#)
- [Electroconvulsive Therapy](#)
- [Epilepsy](#)
- [Functional Laterality](#)
- [Gambling](#)
- [Genetic Predisposition to Disease](#)
- [Genetics](#)
- [Heroin Dependence](#)
- [Hypertension](#)
- [Learning Disorders](#)
- [Liver Cirrhosis](#)
- [Mental Disorders](#)
- [Migraine Disorders](#)
- [Mood Disorders](#)
- [Narcolepsy](#)
- [Nausea](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Obsessive-Compulsive Disorder](#)
- [Ovarian Failure](#)
- [Panic Disorder](#)
- [Personality Assessment](#)
- [Personality Disorders](#)
- [Personality Tests](#)

- [Polycystic Ovary Syndrome](#)
- [Premenstrual Syndrome](#)
- [Prenatal Exposure Delayed Effects](#)
- [Psychiatric Status Rating Scales](#)
- [Psychological Tests](#)
- [Psychomotor Agitation](#)
- [Psychotic Disorders](#)
- [Puberty](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Scoliosis](#)
- [Somatoform Disorders](#)
- [Stress](#)
- [Substance Withdrawal Syndrome](#)
- [Temporomandibular Joint Disorders](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)