

TPH1 rabbit monoclonal antibody

Catalog # H00007166-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human TPH1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human TPH1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human TPH1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — TPH1

Entrez GeneID	7166
GeneBank Accession#	TPH1
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](#)