

DNAxPAb

Hard-to-Find
Antibody

TPH1 DNAxPab

Catalog # H00007166-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human TPH1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MIEDNKENKDHSLEGRASLIFSLKNEVGGLIKALKIFQEKHVNLLHIESRKS KRRNSEFEIFVDCDI NREQLNDIFHLLKSHTNVLSVNLDPNFTLKEDGMETVPWFPPKKISDL DHCANRVLMYGSELDADH PGFKDNVYRKRKYFADLAMNYKHGDPIPKVEFTEEEIKTWGTVFQELNKLYPTHACREYLKNLPL LSKYCGYREDNIPQLEDVSNFLKERTGFSIRPVAGYLSPRDFLSGLAFRVFHCTQYVRHSSDPFYT PEPDTCHELLGHVPLLAEPSFAQFSQEIGLASLGASEEAVQKLATCYFFTVEFGLCKQDGGQLRVF GAGLLSSISELKHALSGHAKVKPFDPKITCKQECLITTFQDVYFVSESFEDAKEKMREFTKTIKRPF GVKYNPYTRSIQILKDTKSITSAMNELQHDLDDVSDALAKVSRKPSI
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — TPH1

Entrez GeneID	7166
GeneBank Accession#	NM_004179.1
Protein Accession#	NP_004170.1
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](#)