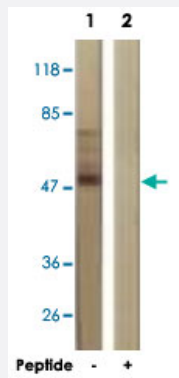


TPH1 polyclonal antibody

Catalog # PAB18382 Size 100 ug

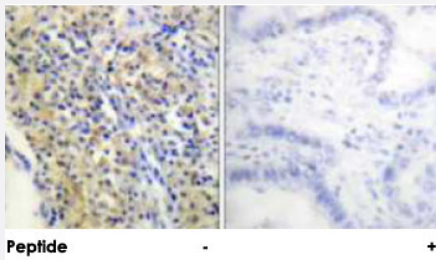
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from Jurkat cells, using TPH1 polyclonal antibody (Cat # PAB18382).

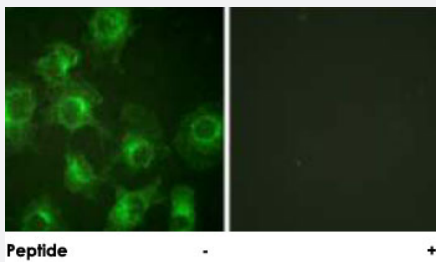
Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using TPH1 polyclonal antibody (Cat # PAB18382).

Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of HeLa cells, using TPH1 polyclonal antibody (Cat # PAB18382).

Peptide "+" means "peptide blocking".

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of TPH1.

Immunogen	A synthetic peptide corresponding to residues surrounding S260 of human TPH1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to TPH1.
Form	Liquid
Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:40000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 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)

Western blot analysis of extracts from Jurkat cells, using TPH1 polyclonal antibody (Cat # PAB18382).

Peptide "+" means "peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using TPH1 polyclonal antibody (Cat # PAB18382).

Peptide "+" means "peptide blocking".

- Immunofluorescence

Immunofluorescence analysis of HeLa cells, using TPH1 polyclonal antibody (Cat # PAB18382).

Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

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)

Publication Reference

- [The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection \(MGC\).](#)

Gerhard DS, Wagner L, Feingold EA, Shenmen CM, Grouse LH, Schuler G, Klein SL, Old S, Rasooly R, Good P, Guyer M, Peck AM, Derge JG, Lipman D, Collins FS, Jang W, Sherry S, Feolo M, Misquitta L, Lee E, Rotmistrovsky K, Greenhut SF, Schaefer CF, Buetow K, Bonner TI, Haussler D, Kent J, Kiekhaus M, Furey T, Brent M, Prange C, Schreiber K, Shapiro N, Bhat NK, Hopkins RF, Hsie F, Driscoll T, Soares MB, Casavant TL, Scheetz TE, Brownstein MJ, Usdin TB, Toshiyuki S, Carninci P, Piao Y, Dudekula DB, K

Genome Research 2004 Oct; 14(10B):2121.

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](#)
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- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Scoliosis](#)
- [Somatoform Disorders](#)
- [Stress](#)
- [Substance Withdrawal Syndrome](#)
- [Temporomandibular Joint Disorders](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)