



Anti-TPH1 (aa 1-117) polyclonal antibody (DPAB-DC3098)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.[provided by RefSeq, Apr 2009]
Immunogen	TPH1 (NP_004170, 1 a.a. ~ 117 a.a) partial recombinant protein with GST tag. The sequence is MIEDNKENKDHSLERGRASLIFSLKNEVGGLIKALKIFQEKHVNLLHIESRKSKRRNSEF EIFVDCDINREQLNDIFHLLKSHTNVLSVNLPDNFTLKEDGMETVPWFPPKKISLDH
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	TPH1 tryptophan hydroxylase 1 [Homo sapiens (human)]
Official Symbol	TPH1
Synonyms	TPH1; tryptophan hydroxylase 1; TPRH; TRPH; tryptophan 5-hydroxylase 1; L-tryptophan hydroxylase; tryptophan 5-monooxygenase 1; indoleacetic acid-5-hydroxylase; tryptophan hydroxylase (tryptophan 5-monooxygenase);
Entrez Gene ID	7166
Protein Refseq	NP_004170
UniProt ID	P17752
Chromosome Location	11p15.3-p14
Pathway	Amine-derived hormones; Melatonin biosynthesis, tryptophan => melatonin; serotonin =>
Function	amino acid binding; iron ion binding; tryptophan 5-monooxygenase activity;
