

Product datasheet for **AM20674PU-N**

Tryptophan Hydroxylase (TPH1) Mouse Monoclonal Antibody [Clone ID: Try-63]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Try-63
Applications:	WB
Recommended Dilution:	Western Blot: 0.5 - 1 µg/ml.
Reactivity:	Human, Rabbit, Rat
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Recombinant rabbit tryptophan hydroxylase
Specificity:	This antibody reacts to Tryptophan 5-hydroxylase 1.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	tryptophan hydroxylase 1
Database Link:	Entrez Gene 24848 Rat Entrez Gene 7166 Human P17752



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Background:	Tryptophan hydroxylase is the rate-limiting enzyme in the synthesis of serotonin (5-hydroxytryptamine, or 5HT). Tryptophan hydroxylase catalyzes the iron-dependent mono-oxygenation of tryptophan to 5-hydroxytryptophan (5HT), which is subsequently decarboxylated to form the neurotransmitter serotonin. Human tryptophan hydroxylase (TPH) is mapped to chromosome 11p15.3-p14 by in situ hybridization.
Synonyms:	Tryptophan 5-mono-oxygenase 1, TPRH, TRPH
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Tryptophan metabolism