

## Product datasheet for **AP05921PU-N**

### Tryptophan Hydroxylase (TPH1) Sheep Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on frozen sections: 1:1000. Western Blot: 1:1000; detects a band of approximately 55kDa in human dorsal Raphe nucleus lysates.
Reactivity:	Human, Rat
Host:	Sheep
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant rabbit Tryptophan Hydroxylase purified from <i>E. coli</i> .
Specificity:	This antibody recognises Tryptophan Hydroxylase (TPH) which catalyses the 5-hydroxylation of tryptophan, in the first stage of indoleamine biosynthesis. Serotonin biosynthesis occurs principally in neurons which originate in the raphe nucleus of the brain, and melatonin synthesis takes place within the pineal gland.
Formulation:	10mM HEPES, pH7.5 containing 0.09% Sodium Azide, 0.01% Bovine Serum Albumin and 50% Glycerol State: Purified State: Liquid purified Ig
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody 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:	<a href="#">Entrez Gene 7166 Human P17752</a>
Synonyms:	Tryptophan 5-monooxygenase 1, TPRH, TRPH



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