

## Datasheet: AHP930

<b>Description:</b>	SHEEP ANTI TRYPTOPHAN HYDROXYLASE
<b>Specificity:</b>	TRYPTOPHAN HYDROXYLASE
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 ml

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			1/1000
Immunohistology - Paraffin			▪	
ELISA			▪	
Western Blotting	▪			1/1000

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Rat</p> <p>Does not react with: Rabbit</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to tryptophan hydroxylase were raised by repeated immunisations of sheep with highly purified antigen. Purified IgG prepared by affinity chromatography.
<b>Buffer Solution</b>	10mM HEPES pH7.5

<b>Preservative</b>	0.09% Sodium Azide
<b>Stabilisers</b>	0.01% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	Recombinant rabbit tryptophan hydroxylase purified from <i>E. coli</i> .
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P17752</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">7166</a> TPH1 <a href="#">Related reagents</a>
<b>Synonyms</b>	TPH, TPRH, TRPH
<b>RRID</b>	AB_567246
<b>Specificity</b>	<b>Sheep anti Human tryptophan hydroxylase antibody</b> recognizes 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.
<b>Western Blotting</b>	AHP930 detects a band of approximately 55kDa in human dorsal Raphe nucleus lysates.
<b>References</b>	1. Haycock, J.W. <i>et al.</i> (2002) A monoclonal antibody to tryptophan hydroxylase: applications and identification of the epitope. <a href="#">J Neurosci Methods. 114 (2): 205-12.</a>
<b>Storage</b>	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.  Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10088 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP930">https://www.bio-rad-antibodies.com/SDS/AHP930</a> 10088
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

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batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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