

Datasheet: AHP930

BATCH NUMBER 180219

Description:	SHEEP ANTI TRYPTOPHAN HYDROXYLASE
Specificity:	TRYPTOPHAN HYDROXYLASE
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species

Human

Species Cross Reactivity

Reacts with: Rat

Does not react with: Rabbit

N.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.

Product Form

Purified IgG - liquid

Antiserum Preparation

Antisera to tryptophan hydroxylase were raised by repeated immunisations of sheep with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution

10mM HEPES pH7.5

Preservative Stabilisers	0.09% Sodium Azide 0.01% Bovine Serum Albumin 50% Glycerol
Immunogen	Recombinant rabbit tryptophan hydroxylase purified from <i>E. coli</i> .
External Database Links	UniProt: P17752 Related reagents Entrez Gene: 7166 TPH1 Related reagents
Synonyms	TPH, TPRH, TRPH
RRID	AB_567246
Specificity	Sheep anti Human tryptophan hydroxylase antibody 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.
Western Blotting	AHP930 detects a band of approximately 55kDa in human dorsal Raphe nucleus lysates.
References	1. Haycock, J.W. <i>et al.</i> (2002) A monoclonal antibody to tryptophan hydroxylase: applications and identification of the epitope. J Neurosci Methods. 114 (2): 205-12.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10088 available at: https://www.bio-rad-antibodies.com/SDS/AHP930 10088
Regulatory	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

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