

## Datasheet: PEPA43

<b>Description:</b>	RABBIT ANTI SEROTONIN
<b>Specificity:</b>	SEROTONIN
<b>Other names:</b>	5-HT, 5-HYDROXYTRYPTAMINE
<b>Format:</b>	Serum
<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)	▪			
Immunohistology - Paraffin (2)	▪			1/500 - 1/2000
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

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.

**(1)Gluteraldehyde (2- 5 %) should be included in the fixative. A metabisulphite reduction step is required. \* For frozen sections, a borohydride reduction step is also required.**

**(2)For paraffin wax sections, it is recommended that a brief 10 min pre-treatment in trypsin solution (1 mg/ml in PBS) is included to enhance immunostaining. Gluteraldehyde (2- 5 %) should be included in the fixative. A metabisulphite reduction step is required.**

<b>Species Cross Reactivity</b>	Reacts with: Human, Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
---------------------------------	---

<b>Product Form</b>	Serum - liquid
---------------------	----------------

<b>Antiserum Preparation</b>	Antisera to serotonin were raised by repeated immunisation of rabbits with highly purified antigen. Whole serum is supplied.
------------------------------	--

<b>Preservative Stabilisers</b>	0.1% Sodium Azide
---------------------------------	-------------------

<b>Immunogen</b>	Serotonin coupled to BSA.
------------------	---------------------------

<b>RRID</b>	AB_2248782
-------------	------------

**Specificity** **Rabbit anti serotonin antibody** recognizes serotonin, also known as 5-hydroxytryptamine, or 5-HT. Serotonin is a monoamine neurotransmitter synthesised in serotonergic neurons in the central nervous system and enterochromaffin cells in the gastrointestinal tract. Serotonin has broad activities in the brain. Genetic variation in serotonin receptors and the serotonin transporter (which facilitates reuptake of serotonin into presynapses) has been implicated in neurological diseases. Drugs targeting serotonin-induced pathways are being used in the treatment of many psychiatric disorders and one focus of clinical research is the influence of genetics on serotonin action and metabolism in psychiatric settings.

---

**References** 1. Dicke, U. *et al.* (1997) 5-HT-like immunoreactivity in the brains of plethodontid and salamandrid salamanders (*Hydromantes italicus*, *Hydromantes genei*, *Plethodon jordani*, *Desmognathus ochrophaeus*, *Pleurodeles waltl*): an immunohistochemical and biocytin double-labelling study. [Cell Tissue Res. 287 \(3\): 513-23.](#)

---

**Storage** Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. 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 #10342 available at: 10342: <https://www.bio-rad-antibodies.com/uploads/MSDS/10342.pdf>

---

**Regulatory** For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
----------------------------------	---	------------------	---	---------------	---

'M369480:200529'

Printed on 11 Aug 2020

---

© 2020 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)