# abcam

# Product datasheet

# Anti-Serotonin antibody ab66047

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#### Overview

Product name Anti-Serotonin antibody

**Description** Goat polyclonal to Serotonin

Host species Goat

Tested applications Suitable for: IHC-FoFr

Species reactivity Reacts with: Species independent

**Immunogen** Serotonin whole molecule conjugated to BSA with paraformaldehyde.

**General notes** If the product is lyophilized upon delivery, dilute with phosphate buffer or Tris buffer at dilutions no

higher than 1/10, aliquot and freeze at -15° C or lower. Antibody can be stored for up to six

months if handled as described above.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets

your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be

found below, along with publications, customer reviews and Q&As

#### **Properties**

Form Liquid

**Storage instructions** Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

Storage buffer Constituent: Whole serum

**Purity** Whole antiserum

**Clonality** Polyclonal

**Isotype** IgG

## **Applications**

The Abpromise guarantee Our Abpromise guarantee covers the use of ab66047 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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Application	Abreviews	Notes
IHC-FoFr		1/400 - 1/800. When using Biotin/Streptavidin-HRP Technique dilution of 1/5000 - 1/10000.

#### **Target**

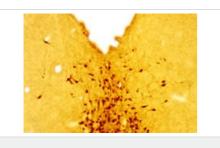
#### Relevance

Serotonin (5-hydroxytryptamine, or 5-HT) is a monoamine neurotransmitter synthesised in serotonergic neurons in the central nervous system and enterochromaffin cells in the gastrointestinal tract. Serotonin plays an important part in the biochemistry of depression, migraine, bipolar disorder and anxiety. It is also believed to be influential on sexuality and appetite. 5-HT is generally thought not to be released from synaptic terminal buttons in the manner of classical neurotransmission but from serotonergic varacosities into the extra neuronal space. From here it is free to diffuse over a relatively large region of space (>20µm) and activate 5-HT receptors located on the dendrites, cell bodies and presynaptic terminals of adjacent neurons. Serotonergic action is terminated primarily via uptake of 5-HT from the synapse. This is through the specific monoamine transporter for 5-HT, 5-HT reuptake transporter, on the presynaptic neuron. The pharmacology of 5-HT is extremely complex, with its actions being mediated by a large and diverse range of 5-HT receptors.

#### **Cellular localization**

Cytoplasmic and Secreted

#### **Images**



Immunohistochemistry (PFA perfusion fixed frozen sections) - Anti-Serotonin antibody (ab66047)

<u>ab66407</u> staining of rat hypothalamus using 4+ biotinstreptavidin/HRP staing at 1/4000.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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