

Product datasheet

Anti-Serotonin antibody ab66047

★★★★★ [4 Abreviews](#) [59 References](#) [1 Image](#)

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	<p>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.</p> <p>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.</p> <p>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</p>

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.

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 varicosities 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



ab66407 staining of rat hypothalamus using 4+ biotin-streptavidin/HRP staining at 1/4000.

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