


Product datasheet

Anti-5HT4 Receptor antibody ab219116

5 Images

Overview

Product name	Anti-5HT4 Receptor antibody
Description	Rabbit polyclonal to 5HT4 Receptor
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Horse, Guinea pig, Hamster, Cow, Dog, Pig, Gorilla 
Immunogen	Synthetic peptide corresponding to Human 5HT4 Receptor. (A 15 amino acid peptide from the 3rd cytoplasmic domain). Database link: Q13639
Positive control	Human brain, medulla tissue; Human brain, glioblastoma tissue; Human skin, Melanoma tissue; Human prostate tissue; Human kidney tissue.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>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, as well as customer reviews and Q&As.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.099% Sodium azide Constituent: 99% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab219116** in the following tested applications.

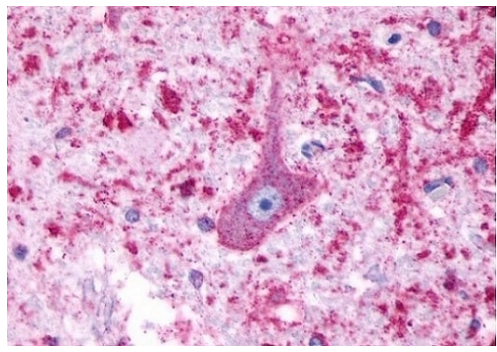
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 15 - 20 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Target

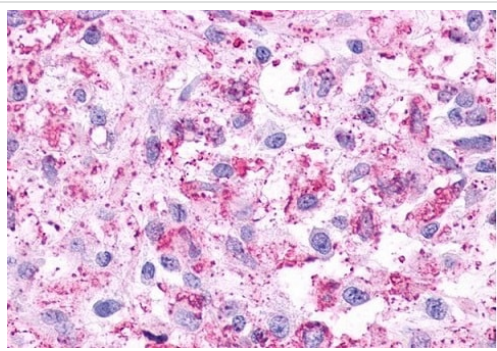
Relevance	The 5HT4 Receptor is one of the several different receptors for 5- hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. The activity of this receptor is mediated by G proteins that stimulates adenylate cyclase. 5HT4a receptors may play a role in opioid-induced respiratory depression.
Cellular localization	Cell membrane; Multi-pass membrane protein. Endosome. Note: Interaction with SNX27 mediates recruitment to early endosomes, while interaction with SLC9A3R1 and EZR might target the protein to specialized subcellular regions, such as microvilli.

Images



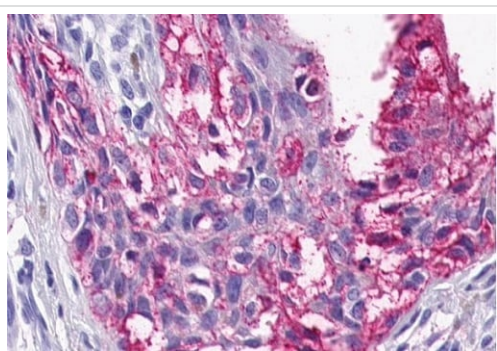
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-5HT4 Receptor antibody (ab219116)

Immunohistochemical analysis of formalin fixed, paraffin embedded Human brain (medulla) tissue labeling 5HT4 with ab219116 at 20 µg/ml.



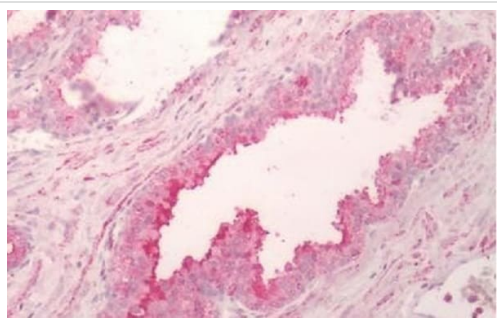
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-5HT4 Receptor antibody (ab219116)

Immunohistochemical analysis of formalin fixed, paraffin embedded Human brain (glioblastoma) tissue labeling 5HT4 with ab219116 at 20 µg/ml.



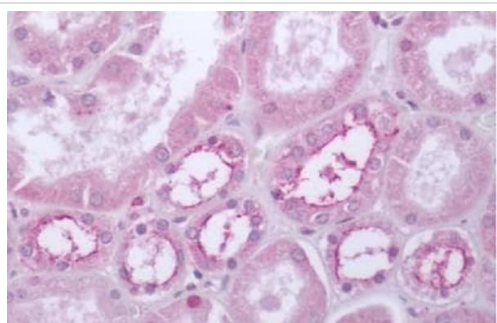
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-5HT4 Receptor antibody (ab219116)

Immunohistochemical analysis of formalin fixed, paraffin embedded Human skin (melanoma) tissue labeling 5HT4 with ab219116 at 20 µg/ml.



Immunohistochemical analysis of formalin fixed, paraffin embedded Human prostate tissue labeling 5HT4 with ab219116 at 20 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-5HT4 Receptor antibody (ab219116)



Immunohistochemical analysis of formalin fixed, paraffin embedded Human kidney tissue labeling 5HT4 with ab219116 at 20 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-5HT4 Receptor antibody (ab219116)

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