

# Anti-5HT6 Receptor antibody ab103016

[8 References](#) [2 Images](#)

### Overview

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<b>Product name</b>	Anti-5HT6 Receptor antibody
<b>Description</b>	Rabbit polyclonal to 5HT6 Receptor
<b>Host species</b>	Rabbit
<b>Specificity</b>	From Jan 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Synthetic peptide corresponding to Mouse 5HT6 Receptor aa 400 to the C-terminus conjugated to keyhole limpet haemocyanin. (Peptide available as <a href="#">ab117404</a> )
<b>Positive control</b>	This antibody gave a positive signal in the following tissue lysates: Mouse dorsal root ganglion; Mouse brain P0; Mouse brain P7. This antibody gave a positive result in IHC in the following FFPE tissue: Mouse Brain.
<b>General notes</b>	<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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

**Purity** Immunogen affinity purified  
**Clonality** Polyclonal  
**Isotype** IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab103016 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 0.5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 55 kDa (predicted molecular weight: 47 kDa).

## Target

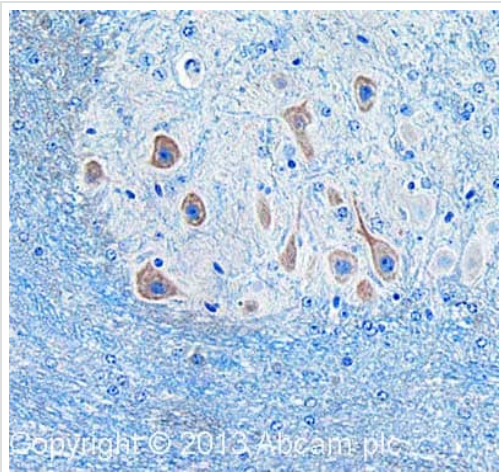
**Function** This is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. The activity of this receptor is mediated by G proteins that stimulate adenylate cyclase. It has a high affinity for tricyclic psychotropic drugs.

**Tissue specificity** Expressed in several human brain regions, most prominently in the caudate nucleus.

**Sequence similarities** Belongs to the G-protein coupled receptor 1 family.

**Cellular localization** Cell membrane.

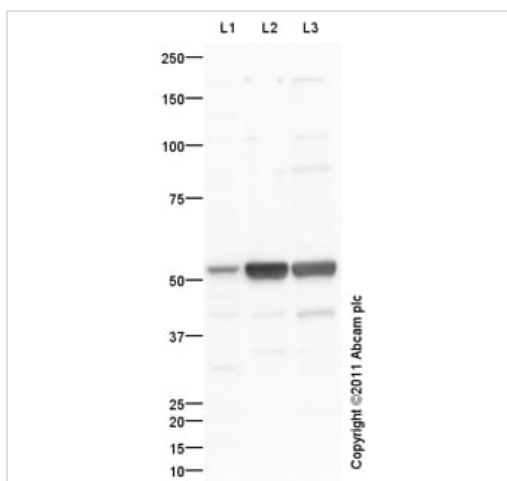
## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-5HT6 Receptor antibody (ab103016)

IHC image of 5HT6 Receptor staining in Mouse Brain formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab103016, 0.5 µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Western blot - Anti-5HT6 Receptor antibody (ab103016)

**All lanes :** Anti-5HT6 Receptor antibody (ab103016) at 1 µg/ml

**Lane 1 :** Dorsal Root Ganglia (Mouse) Tissue Lysate

**Lane 2 :** P0 Mouse Brain Mouse Tissue Lysate

**Lane 3 :** P7 Mouse Brain Tissue Lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 47 kDa

**Observed band size:** 55 kDa

**Additional bands at:** 41 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 30 seconds

5HT6 Receptor contains a potential glycosylation site (SwissProt) which may explain its migration at a higher molecular weight than predicted.

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

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