

Anti-5HT6 Receptor antibody ab103016

[8 References](#) [2 图像](#)

概述

产品名称	Anti-5HT6 Receptor抗体
描述	兔多克隆抗体to 5HT6 Receptor
宿主	Rabbit
特异性	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.
经测试应用	适用于: IHC-P, WB
种属反应性	与反应: Mouse
免疫原	Synthetic peptide corresponding to Mouse 5HT6 Receptor aa 400 to the C-terminus conjugated to keyhole limpet haemocyanin. (Peptide available as ab117404)
阳性对照	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.
常规说明	<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>

性能

形式	Liquid
存放说明	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.
存储溶液	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.

纯度 Immunogen affinity purified
克隆 多克隆
同种型 IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab103016于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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).

靶标

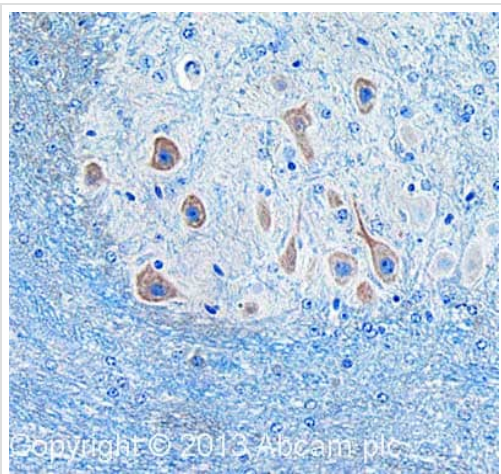
功能 This is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. The activity of this receptor is mediated by G proteins that stimulate adenylate cyclase. It has a high affinity for tricyclic psychotropic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

组织特异性 Expressed in several human brain regions, most prominently in the caudate nucleus.

序列相似性 Belongs to the G-protein coupled receptor 1 family.

细胞定位 Cell membrane.

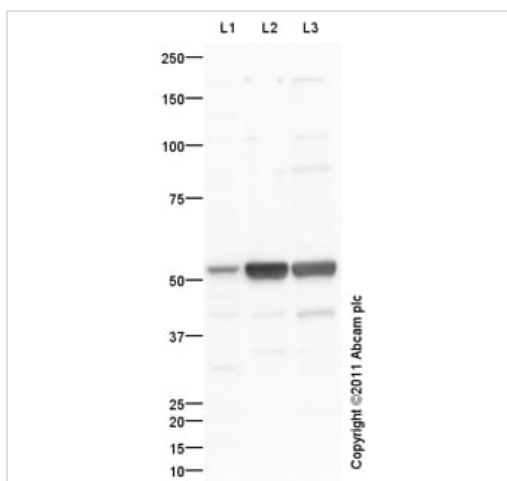
图片



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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