


Anti-Muscarinic Acetylcholine Receptor M3/CHRM3 antibody ab87199

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概述

产品名称	Anti-Muscarinic Acetylcholine Receptor M3/CHRM3抗体
描述	兔多克隆抗体to Muscarinic Acetylcholine Receptor M3/CHRM3
宿主	Rabbit
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Rat 预测可用于: Mouse, Sheep, Rabbit, Horse, Cow, Pig, Chinese hamster 
免疫原	Synthetic peptide corresponding to Rat Muscarinic Acetylcholine Receptor M3/CHRM3 aa 550 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab139964)
阳性对照	This antibody gave a positive signal in the following Rat tissue lysates: Brain; Forebrain; Substantia Nigra; Heart.
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 ab87199 于以下的经测试应用

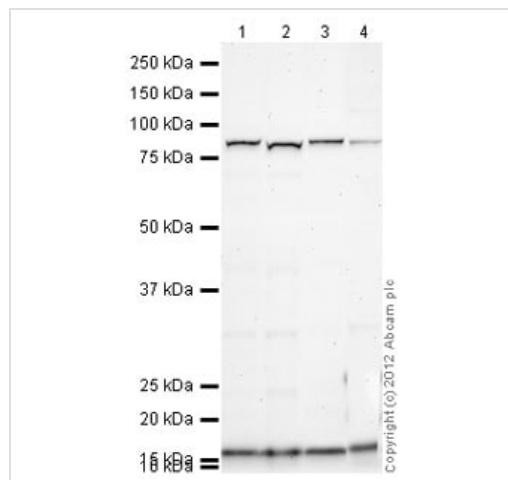
“应用说明”部分 下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★☆☆☆☆ (1)	Use a concentration of 1 µg/ml. Detects a band of approximately 85 kDa (predicted molecular weight: 66 kDa).
IHC-P		Use a concentration of 5 µg/ml.

靶标

功能	The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels through the action of G proteins. Primary transducing effect is Pi turnover.
序列相似性	Belongs to the G-protein coupled receptor 1 family. Muscarinic acetylcholine receptor subfamily. CHRM3 sub-subfamily.
细胞定位	Cell membrane. Cell junction > synapse > postsynaptic cell membrane. Basolateral cell membrane.

图片



Western blot - Anti-Muscarinic Acetylcholine Receptor M3/CHRM3 antibody (ab87199)

All lanes : Anti-Muscarinic Acetylcholine Receptor M3/CHRM3 antibody (ab87199) at 1 µg/ml

Lane 1 : Brain (Rat) Tissue Lysate

Lane 2 : Rat Forebrain Rat Tissue Lysate

Lane 3 : Rat Substantia Nigra Tissue Lysate

Lane 4 : Heart (Rat) 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.

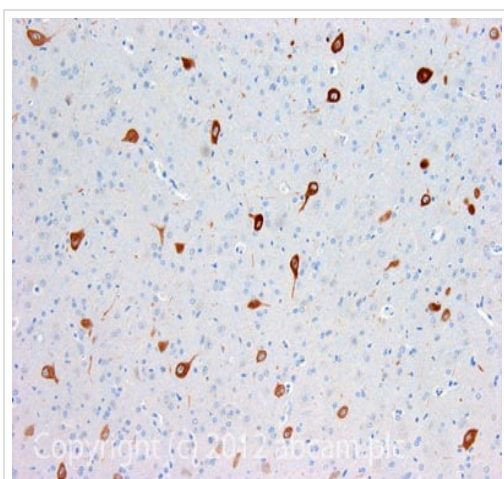
Predicted band size: 66 kDa

Observed band size: 85 kDa

Additional bands at: 16 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 8 minutes

Muscarinic Acetylcholine Receptor M3/CHRM3 contains a number of potential glycosylation sites (SwissProt) which may explain its migration at a higher molecular weight than predicted.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Muscarinic Acetylcholine Receptor M3/CHRM3 antibody (ab87199)

IHC image of Muscarinic Acetylcholine Receptor M3/CHRM3 staining in Rat normal brain (Sagittal) 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 ab87199, 5µg/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.

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