


Anti-Muscarinic Acetylcholine Receptor 2/CM2 antibody [EPR4568] ab109226

重组 RabMAb

★★★★★ **1 Abreviews** **10 References** **3 图像**

概述

产品名称	Anti-Muscarinic Acetylcholine Receptor 2/CM2抗体[EPR4568]
描述	兔单克隆抗体[EPR4568] to Muscarinic Acetylcholine Receptor 2/CM2
宿主	Rabbit
特异性	Please note: blast analysis of the immunogen sequence for ab109226 shows 64% homology with the Muscarinic Acetylcholine Receptor 3, therefore some reactivity with this receptor subtype may be possible.
经测试应用	适用于: WB, IHC-P 不适用于: Flow Cyt
种属反应性	与反应: Mouse, Human 预测可用于: Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: SH-SY5Y, fetal brain, U87-MG, Neuro-2a, and Y79 lysates IHC-P: Human brain tissue IF: SH-SY5Y cells
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

性能

形式	Liquid
存放说明	Frozen Stock (-20C). Shelf life 12 months.
存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide

Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant

纯度 Protein A purified
克隆 单克隆
克隆编号 EPR4568
同种型 IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab109226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		1/1000 - 1/10000. Detects a band of approximately 52 kDa (predicted molecular weight: 52 kDa).
IHC-P	★★★★★ (1)	1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

应用说明 Is unsuitable for Flow Cyt.

靶标

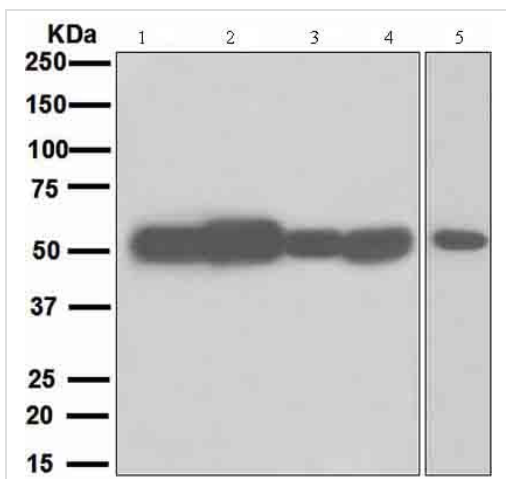
功能 The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels through the action of G proteins. Primary transducing effect is adenylate cyclase inhibition.

疾病相关 Genetic variations in CHRM2 can influence susceptibility to major depressive disorder (MDD) [MIM:608516]. MDD is one of the most common psychiatric disorders. MDD is a complex trait characterized by one or more major depressive episodes without a history of manic, mixed, or hypomanic episodes. A major depressive episode is characterized by at least 2 weeks during which there is a new onset or clear worsening of either depressed mood or loss of interest or pleasure in nearly all activities. Four additional symptoms must also be present including changes in appetite, weight, sleep, and psychomotor activity; decreased energy; feelings of worthlessness or guilt; difficulty thinking, concentrating, or making decisions; or recurrent thoughts of death or suicidal ideation, plans, or attempts. The episode must be accompanied by distress or impairment in social, occupational, or other important areas of functioning.

序列相似性 Belongs to the G-protein coupled receptor 1 family. Muscarinic acetylcholine receptor subfamily. CHRM2 sub-subfamily.

细胞定位 Cell membrane. Cell junction > synapse > postsynaptic cell membrane.

图片



Western blot - Anti-Muscarinic Acetylcholine Receptor 2/CM2 antibody [EPR4568] (ab109226)

All lanes : Anti-Muscarinic Acetylcholine Receptor 2/CM2 antibody [EPR4568] (ab109226) at 1/1000 dilution

Lane 1 : SH-SY5Y cell lysate

Lane 2 : Fetal brain tissue lysate

Lane 3 : U-87 MG (Human glioblastoma-astrocytoma epithelial cell line) cell lysate

Lane 4 : Neuro-2a lysate

Lane 5 : Y79 (Human retinoblastoma cell line) cell lysate

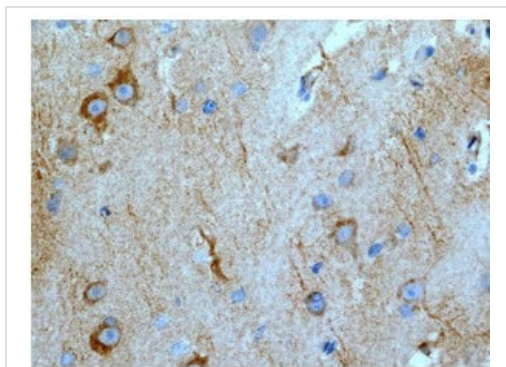
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Standard HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 52 kDa

Observed band size: 52 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Muscarinic Acetylcholine Receptor 2/CM2 antibody [EPR4568] (ab109226)

Immunohistochemical analysis of paraffin-embedded Human brain tissue using ab109226 at 1/100.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Muscarinic Acetylcholine Receptor 2/CM2 antibody [EPR4568] (ab109226)

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

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