

Anti-mCherry antibody [1C51] ab125096

★★★★★ [15 Abreviews](#) [175 References](#) [5 图像](#)

概述

产品名称	Anti-mCherry抗体[1C51]
描述	小鼠单克隆抗体[1C51] to mCherry
宿主	Mouse
经测试应用	适用于: WB, ICC/IF, IHC-P
种属反应性	与反应: Species independent
免疫原	Recombinant full length protein corresponding to mCherry.
阳性对照	IHC-P: mCherry-transfected monkey brain tissue, Drosophila melanogaster eye imaginal discs and smooth muscle cells in rat bladder tissue. WB: HEK-293 cells transfected with mCherry-HA construct and mCherry recombinant protein. ICC/IF: mCherry-transfected HEK-293T cells.
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 long term.
存储溶液	Preservative: 0.03% Sodium azide Constituents: 50% Glycerol, PBS
纯度	Protein G purified
克隆	单克隆
克隆编号	1C51
同种型	IgG2a

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab125096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。

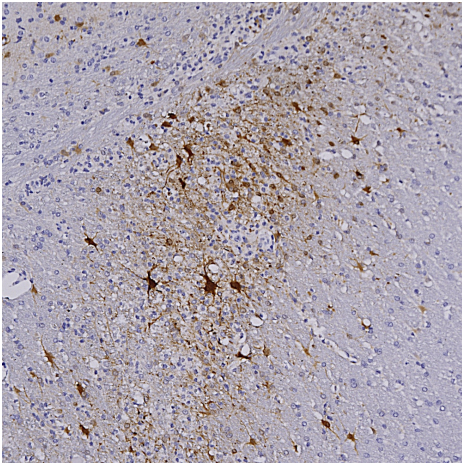
应用	Ab评论	说明
WB	★★★★★ (2)	1/2000. Detects a band of approximately 28 kDa.
ICC/IF	★★★★★ (3)	1/500.
IHC-P	★★★★★ (4)	1/2000.

靶标

相关性

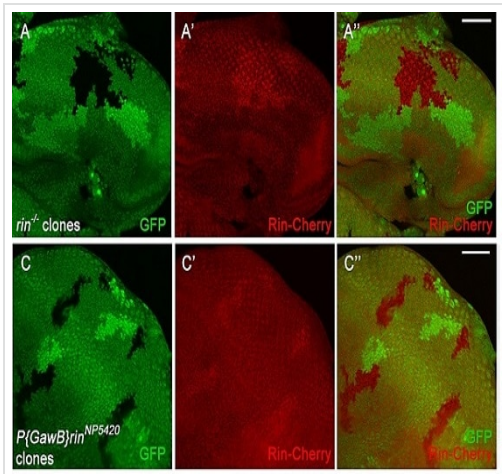
mCherry is derived from proteins originally isolated from *Cnidarians* (jelly fish, sea anemones and corals), and is used as a fluorescent tracer in trasfection and transgenic experiments. The prototype for these fluorescent proteins is Green Fluorescent Protein (GFP), which is a ~27kDa protein isolated originally from the jellyfish *Aequoria victoria*. The mCherry protein is derived from DsRed, a red fluorescent protein related to GFP isolated from so-called disc corals of the genus *Discosoma*.

图片



Chromogenic immunostaining of formalin fixed paraffin embedded mCherry transfected monkey brain with mouse mAb to mCherry, dilution 1/2000, detected in DAB (brown) following the ImmPress method. Hematoxylin (blue) was used as the counterstain. ab125096 specifically detected the soma and axons of mCherry positive neurons in the cortex, as expected for this model.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-mCherry antibody [1C51] (ab125096)

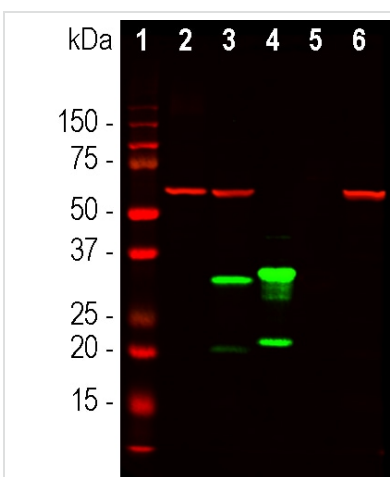


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-mCherry antibody [1C51] (ab125096)

Baumgartner R et al. The RNA-binding proteins FMR1, rasputin and caprin act together with the UBA protein lingerer to restrict tissue growth in *Drosophila melanogaster*. PLoS Genet 9:e1003598 (2013).

4% paraformaldehyde fixed (at RT for 20 min and blocked with 2% NDS in 0.3% PBT) *Drosophila melanogaster* eye imaginal discs stained for mCherry (Red) using ab125096.

Analysis of *rin* hypomorphic alleles and the genomic rescue transgene *Grin^{Cherry}*. (A–C'') Negatively marked 72 h old *rin*² (A, A''), (C, C'') mutant clones (induced with the FLP/FRT system) in eye imaginal discs of third instar larvae. Rin-Cherry levels expressed from the *Grin^{Cherry}* are autonomously increased in the *rin* mutant clones (A' and C'). The scale bar represents 50 μ m.



Western blot - Anti-mCherry antibody [1C51] (ab125096)

All lanes : Anti-mCherry antibody [1C51] (ab125096) at 1/1000 dilution

Lane 1 : Protein standard

Lane 2 : HEK-293 (human epithelial cell line from embryonic kidney) cell lysate

Lane 3 : HEK-293 cells transfected with mCherry-HA construct

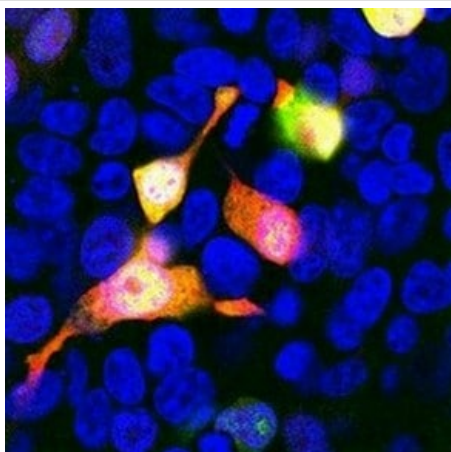
Lane 4 : mCherry recombinant protein

Lane 5 : GFP recombinant protein

Lane 6 : HEK-293 transfected with GFP construct.

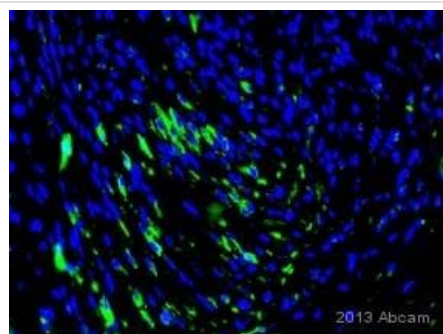
Major band at about 30kDa corresponds to mCherry protein.

MCA-1C51 antibody does not react with GFP protein. The same blot was simultaneously probed with chicken pAb to HSP60, dilution 1:5,000 in red which reveals band at 60kDa seen only in cell lysates.



Immunocytochemistry/ Immunofluorescence - Anti-mCherry antibody [1C51] (ab125096)

mCherry-transfected HEK-293 (Human epithelial cell line from embryonic kidney transformed with large T antigen) cells labeling mCherry using ab125096 followed with a green secondary. DAPI was used to stain nuclei in blue. Cells are visualized using a confocal microscope. Transfected cells appear in yellow/orange colour.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-mCherry antibody [1C51] (ab125096)

Image courtesy of an anonymous Abreview

ab125096 staining mCherry in smooth muscle cells in rat bladder by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).

Tissue was fixed with 10% buffered formalin and blocked with 5000 ug/ml BSA for 30 minutes at 22°C. Samples were incubated with primary antibody (1/100 in BSA) for 1 hour at 22°C. An Alexa Fluor® 488-conjugated Goat polyclonal anti mouse (1/400) was used as the secondary antibody.

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