

Anti-mCherry antibody ab205402

★★★★★ [5 Abreviews](#) [54 References](#) [3 Images](#)

Overview

Product name	Anti-mCherry antibody
Description	Chicken polyclonal to mCherry
Host species	Chicken
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Species independent
Immunogen	Recombinant full length protein (His-tag) corresponding to mCherry. The immunogen sequence is from a following reference. Shaner NC et al. Nature Biotechnology 22:1567-1572 (2004).
Positive control	Lysate of HEK293 cells transfected with pFin-EF1-mCherry vector; HEK293 cells transfected with pFin-EF1-mCherry vector.
General notes	<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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	Preservative: 0.0325% Sodium azide
Purity	IgY fraction
Purification notes	Concentrated IgY preparation.
Clonality	Polyclonal
Isotype	IgY

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab205402 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

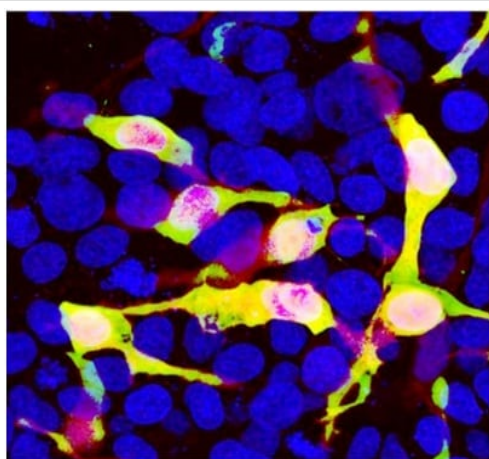
Application	Abreviews	Notes
WB		1/2000. Predicted molecular weight: 30 kDa.
ICC/IF	★★★★★ (1)	1/1000.

Target

Relevance

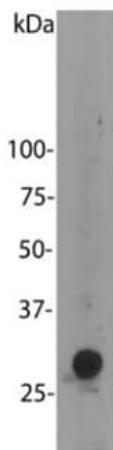
mCherry is derived from proteins originally isolated from *Cnidarians* (jelly fish, sea anemones and corals), and is used as a fluorescent tracer in trasfection and transgenic experiments. The prototype for these fluorescent proteins is Green Fluorescent Protein (GFP), which is a ~27kDa protein isolated 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*.

Images



Immunofluorescent analysis of HEK293 cells transfected with pFin-EF1-mCherry vector labeling mCherry using ab205402 at 1/1000 dilution (green). Red: mCherry; Blue: blue DNA stain. Note: Most HEK293 cells are not transfected so only the nucleus of these cells can be visualized with a blue DNA stain. Cells which are transfected with mCherry are bright red. Green antibody staining is only seen cells which express Cherry, as expected, and the superimposition of the green and red results in an orange signal.

Immunocytochemistry/ Immunofluorescence - Anti-mCherry antibody (ab205402)

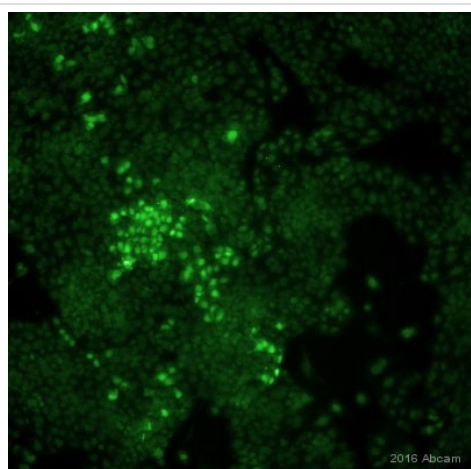


Western blot - Anti-mCherry antibody (ab205402)

Anti-mCherry antibody (ab205402) at 1/2000 dilution + lysate of HEK293 cells transfected with pFin-EF1-mCherry vector

Predicted band size: 30 kDa

Observed band size: 30 kDa



Immunocytochemistry/ Immunofluorescence - Anti-mCherry antibody (ab205402)

This image is courtesy of an anonymous abreview.

Immunocytochemistry/ Immunofluorescence analysis of Human ES cells with mCherry gene reporter labeling mCherry with ab205402 at 1/1000 dilution. Cells were fixed with paraformaldehyde and permeabilized with 0.1% Triton-X. Blocking was carried out with 10% BSA for 1 hour at 4°C, followed by incubation with ab205402 at 1/1000 for 12 hours at 4°C. A polyclonal goat anti-chicken Alexa Fluor® 488 was used as the secondary antibody at 1/100 dilution.

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

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