

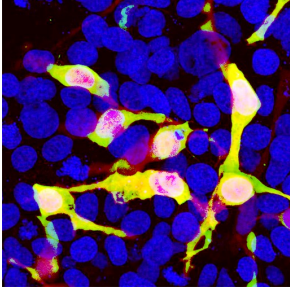
## Anti-mCherry Antibody (A85304)

### Specifications:

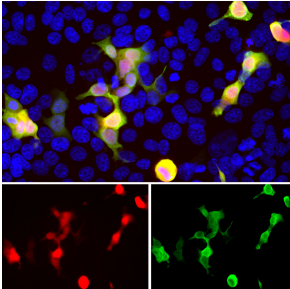
Name:	Anti-mCherry Antibody
Description:	Chicken polyclonal antibody to mCherry.
Applications:	WB, ICC/IF, IHC
Recommended Dilutions:	WB: 1:2,000-1:5,000, ICC/IF: 1:1,000, IHC: 1:1,000
Immunogen:	Recombinant full-length mCherry, expressed in and purified from E. coli.
Sequence:	MVSKGEEDNMAIIKEFMRFKVMHEGVSNGHEFEIEGEGEGRPYEGTQTAKLKVTKGGP LPFAWDILSPQFMYGSKAYVKHPADIPDYLKLSFPEGFKWERVMNFEDGGVVTVTQDS SLQDGEFIYKVKLRGTNFPDGPVMQKKTMGWEASSERMYPEDGALKGEIKQRLKLD GGHYDAEVKTTYKAKKPVQLPGAYNvNIKLDITSHNEDYTIVEQYERAEGRHSTGGMD ELYK
Host:	Chicken
Clonality:	Polyclonal
Isotype:	IgY
Conjugate:	Unconjugated
Molecular Weight:	~28 kDa
Purity:	IgY preparation.
Product Form:	Liquid
Formulation:	Supplied as an aliquot of IgY preparation with 5mM Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This antibody can be used to verify the size of fusion constructs by western blotting, and to amplify the endogenous fluorescence of mCherry in transfected cells.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

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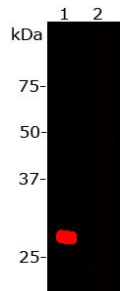
### Images:



HEK293 cells transfected in the same way and viewed in the confocal microscope. 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 Cherry are bright red. Staining with Anti-mCherry Antibody is shown in Green. Green antibody staining is only seen in cells which express Cherry, as expected, and the superimposition of the green and red results in an orange signal. Interestingly stronger Cherry staining is seen in the nucleus, possibly due to degradation of some Cherry molecules to release the low molecular weight Cherry fluorochrome.



Immunofluorescent analysis of HEK293 cells transfected with mCherry and stained with Anti-mCherry Antibody (A85304), viewed in a confocal microscope. 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, and staining with Anti-mCherry Antibody (A85304) is shown in Green. The green antibody staining is only seen cells which express mCherry, as expected, and the superimposition of the green and red results in an orange signal. Interestingly stronger mCherry staining is seen in the nucleus, possibly due to degradation of some mCherry molecules releasing the low molecular weight mCherry fluorochrome.



Western blot analysis of Anti-mCherry Antibody (1:2,000): 1: HEK293 cells transfected with pFin-EF1-mCherry vector. There is a strong clean band at about 29 kDa corresponding to mCherry. 2: HEK293 cells which were not transfected with this vector show no protein bands.