

Goat mCherry Polyclonal Antibody | anti-mCherry antibody

mCherry

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76720	Goat	Not Applicable	Immunofluorescence, Immunohistochemistry, Western Blot, Immunocytochemistry

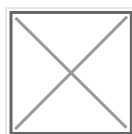
PRODUCT SYNONYMS

mCherry; Polyclonal Antibody; anti-mCherry antibody

PRODUCT SPECIFICATIONS

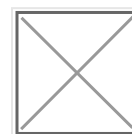
Host	Goat
Reactivity	Not Applicable
Clonality	Polyclonal
Isotype	Goat IgG
Form/Format	Liquid. Affinity purified antibody at 1mg/mL in 50% PBS, 50%glycerol plus 5mM NaN3
Applicable Applications for anti-mCherry antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ICC (Immunocytochemistry)
Immunogen	Full length recombinant mCherry protein
Preparation and Storage	Antibody can also be aliquotted and stored frozen at -20 degree C in a manual defrost freezer for sixmonths without detectable loss of activity. The antibody can be stored at 2 degree - 8 degree C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of HEK293 cell lysates using goat pAb to mCherry, AAA76720, dilution 1:1,000, in green, and rabbit pAb to GAPDH, RPCA-GAPDH, dilution 1:5,000, in red: [1] protein standard, [2] untransfected HEK293 control cells, [3] HEK293 cells transfected with pCI-Neo-mod vector expressing two tdTomato protein domains, [4] HEK293 cells transfected with pCI-Neo-mod vector expressing one mCherry-HA protein domain, and [5] HEK293 cells transfected with pCI-Neo-mod vector expressing one GFP domain.



IF (Immunofluorescence)

Immunofluorescent analysis of HEK293 cells transfected with mCherry-HA construct (red) and stained with goat pAb to mCherry, AAA76720, dilution 1:2,000, in green. The blue is Hoechst staining of nuclear DNA. The GPCA-mCherry antibody reveals mCherry protein expressed only in transfected cells which appear golden in color. Untransfected cells expressing no mCherry are not recognized by the antibody, as a result only their nuclei are visible.

ADDITIONAL INFORMATION

Related Product Information for anti-mCherry antibody

The mCherry protein is engineered from a fluorescent protein originally isolated from a coral and is widely used as a tracer in transfection 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 disc corals of the genus Discosoma.

This antibody was made against full length recombinant mCherry protein expressed in and purified from E coli. The antibody recognizes mCherry and tdTomato on western blots, in appropriate cells and sections, and does not react with GFP. 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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mcherry-antibody-immunofluorescence-immunohistochemistry-western-blot-immunocytochemistry-elisa/76720>