

Catalogue No. AB0081-500

Qty: 1.5 mg (3 mg/ml)

mCherry Polyclonal Antibody

Source: Goat

General description: Goat polyclonal antibody to mCherry (Cherry fluorescent protein). mCherry protein is derived from DsRed, an engineered red fluorescent protein from so-called disc corals of the genus *Discosoma*.

Alternative names: Cherry fluorescent protein; dsRed, red fluorescent protein, tdTomato antibody.

Form: Polyclonal antibody supplied as a 500 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

Immunogen: Purified recombinant peptide produced in *E. coli*.

Specificity: In 293HEK cells transfected with cds plasmid detects a band of 29 kDa by Western blot. This antibody (AB0081) recognizes very well tdTomato and does not cross-react to GFP (green fluorescent protein).

Reactivity: Red Fluorescent Protein (dsRed), tdTomato and mCherry.

Sample	Western blot	Immuno-fluorescence	Histochemistry (paraffin)	Histochemistry (frozen)
Transfected cells	+++	+++	+++	+++

+++ excellent, ++ good, + poor, ND not determined

Usage: Western blot 1:500-1:5,000
 Immunofluorescence 1:50-1:500
 Immunohistochemistry (paraffin) 1:50-1:500
 Immunohistochemistry (frozen) 1:50-1:500

Storage: Store at -20 C for long-term storage. Store at 2-8 C for up to one month.

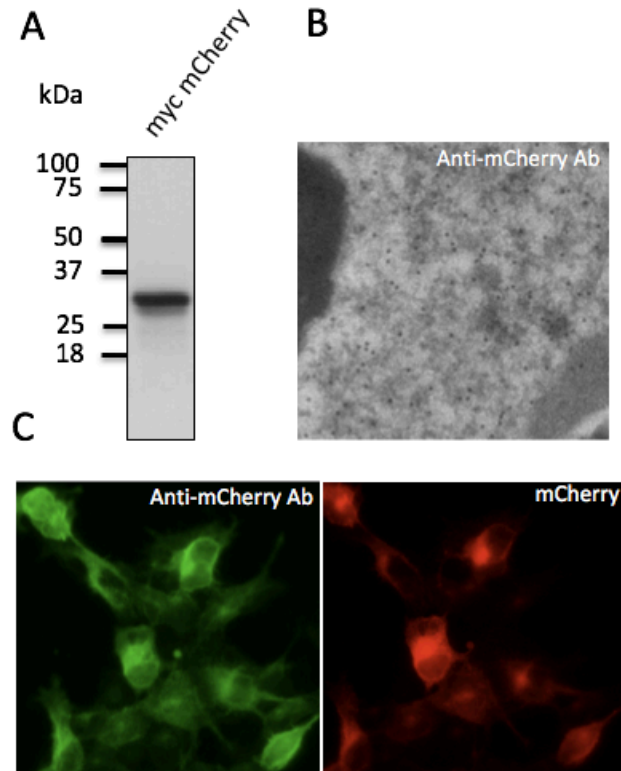
Special instructions: Avoid freeze/thaw cycles.

References:

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References (cont.)

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A - Anti-mCherry Ab at 1/1,000 dilution; 293HEK cells transfected with myc-mCherry Ad; lysates at 100 µg per lane; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;
B - Immunogold labeling of RPE, *in vivo* injected with mCherry expressing vector;
C - Immunofluorescence – anti-mCherry Ab (AB0081) in 293HEK cells transfected with mCherry-Rab1a at 1/50 dilution; cells were fixed with 4% of PFA;

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SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.