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PRODUCT: Living Colors® A.v. Peptide Antibody

CATALOG No.
632376

AMOUNT
1.0 ml

LOT NUMBER: 8092845

CONCENTRATION: 100 µg/ml

FORM

Affinity-purified rabbit Ig in 10 mM Tris-HCl, pH 7.4; 0.05% sodium azide

STORAGE CONDITIONS

- Store at -20°C.
- Avoid repeated freeze/thaw cycles.

SHELF LIFE

1 year from date of receipt under proper storage conditions.

SHIPPING CONDITIONS

Blue ice (4°C) or dry ice (-70°C)

RECOMMENDED APPLICATIONS

This antibody is recommended for Western blotting and immunoprecipitation.

DESCRIPTION

The Living Colors® A.v. Peptide Antibody is a mixture of several rabbit polyclonal antibodies that were raised against synthetic peptides corresponding to the central and C-terminal portions of *Aequorea victoria* green fluorescent protein (GFP). The A.v. Peptide Antibody recognizes wild-type GFP, EBFP, ECFP, EGFP, EYFP, AcGFP, and both N- and C-terminal fusion proteins containing these GFP variants in bacterial and mammalian cell lysates.

SUGGESTED DILUTION

- For Western blotting, we suggest using the antibody at a 1:100 to 1:400 dilution.
- For immunoprecipitation, we suggest you titrate the amount of antibody needed for quantitative recovery of the antigen. As a starting point, however, we suggest using the antibody at a 1:20 dilution. Analyze the immunoprecipitate by Western blotting with our Living Colors Monoclonal Antibody (JL-8) (Cat. Nos. 632380 & 632381).

PACKAGE CONTENTS

- 1 tube Living Colors A.v. Peptide Antibody
- Antibodies Protocol Guide (PT3407-1)

FOR RESEARCH USE ONLY

QUALITY CONTROL DATA

The quality and performance of this lot of Living Colors A.v. Peptide Antibody was tested by Western blot analysis using lysate made from an HEK 293 cell line stably expressing AcGFP1. After cells were collected and lysed using SDS sample buffer, the lysate (10 µl; equivalent to 35,000 cells) was electrophoresed on a 12% SDS-polyacrylamide gel and transferred to a nitrocellulose membrane. The blot was probed with the Living Colors A.v. Peptide Antibody (diluted 1:400), followed by a secondary goat anti-rabbit antibody conjugated to horseradish peroxidase (HRP). The HRP signal was detected by chemiluminescence. A band of approximately 30 kDa corresponding to AcGFP1 was observed in the lane loaded with the AcGFP1 cell lysate. A band of this size was not detected in the lysate of untransfected HEK 293 cells.



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