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PRODUCT: Living Colors® Anti-RCFP Polyclonal Pan Antibody

CATALOG No.

632475

AMOUNT

100 µl

DESCRIPTION

The Living Colors Anti-RCFP Polyclonal Pan Antibody was raised in a rabbit against recombinant full-length *Zoanthus* sp. yellow fluorescent protein (ZsYellow). This pan antibody recognizes denatured forms of AmCyan, ZsGreen, ZsYellow, DsRed2, DsRed-Express, HcRed, AsRed, as well as fusion proteins containing these RCFP variants in bacterial and mammalian cell lysates.

LOT NUMBER

Specified on product label.

FORM

Rabbit serum containing 10% glycerol and 0.02% 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

Dry ice (-70°C)

RECOMMENDED APPLICATIONS

This antibody is recommended for Western blotting. For more details on standard protocols, please refer to Ausubel *et. al* (1993).

SUGGESTED DILUTION

- For Western blotting, we suggest using the antibody at a 1:1,000 dilution.

PACKAGE CONTENTS

- 1 tube Living Colors Anti-RCFP Polyclonal Pan Antibody

FOR RESEARCH USE ONLY

QUALITY CONTROL DATA

The quality and performance of this lot of Living Colors Anti-RCFP Polyclonal Pan Antibody was tested by Western blot analysis of lysates made from an HEK 293 stable cell line specifically expressing either the ZsYellow or DsRed-Express Fluorescent Protein. 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 Anti-RCFP Polyclonal Pan Antibody (diluted 1:1,000), followed by a secondary goat anti-rabbit antibody conjugated to horseradish peroxidase (HRP). The HRP signal was detected by chemiluminescence. A band of approximately 30–35 kDa corresponding to either ZsYellow or DsRed-Express was observed in the lane loaded with the HEK 293 cell lysate expressing the respective fluorescent protein. A band of this size was not detected in the lysate of untransfected HEK 293 cells.

REFERENCES

1. Ausubel, F. M., *et al.*, Eds. (1993) *Current Protocols in Molecular Biology* (John Wiley & Sons, NJ).



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