

| RFP / Red Fluorescent Protein Rabbit anti-Discosoma Polyclonal (FITC) Antibody - LS-C154267 - LSBio | |
|---|---|
| CatalogID: | LS-C154267 |
| Target: | RFP / Red Fluorescent Protein |
| Host | Rabbit |
| Clonality: | Polyclonal |
| Isotype: | IgG |
| Conjugations: | Fluorescein (FITC) |
| Immunogen Species: | Discosoma |
| Antigen Type: | Fusion protein |
| Immunogen: | The immunogen is a Red Fluorescent Protein (RFP) fusion protein corresponding to the full length amino acid sequence (234aa) derived from the mushroom polyp coral Discosoma. |
| Specificity: | Expect reactivity against RFP and its variants: mCherry, tdTomato, mBanana, mOrange, mPlum, mOrange and mStrawberry. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum and purified and partially purified Red Fluorescent Protein (Discosoma). No reaction was observed against Human, Mouse or Rat serum proteins. ELISA was used to confirm specificity at less than 0.1% of target signal. |
| Reactivity: | Discosoma |
| Purification: | Affinity purified |
| Reconstitution: | deionized water. Possible additional volumes for resuspension: 100 µl |
| Presentation: | 0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 1% BSA, 0.01% sodium azide |
| Recommended Storage: | Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. |
| Usage Summary: | Polyclonal anti-RFP is designed to detect RFP and its variants. This antibody can be used to detect RFP by ELISA (sandwich or capture) for the direct binding of antigen. Biotin conjugated polyclonal anti-RFP used in a sandwich ELISA with unconjugated anti-RFP is well suited to titrate RFP in solution. The detection antibody conjugated to biotin is subsequently reacted with streptavidin conjugated HRP. Fluorochrome conjugated polyclonal anti-RFP can be used to detect RFP by immunofluorescence microscopy in cell expression systems and can detect RFP containing inserts. Significant amplification of signal is achieved using fluorochrome conjugated polyclonal anti-RFP relative to the fluorescence of RFP alone. For immunoblotting use either alkaline phosphatase or peroxidase conjugated polyclonal anti-RFP to detect RFP or RFP containing proteins on western blots. Optimal titers for applications should be determined by the researcher. |
| Uses: | Immunofluorescence (1:500 - 1:2500), Western blot (1:10000), ELISA (1:20000) (Optimal dilution to be determined by the researcher) |
| Size: | 100 µg |
| Requested From: | Japan |

Laboratory Reagent For In Vitro Research Use Only

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Created on 9/25/2014

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