

Datasheet for ABIN7565987 **anti-RFP antibody**



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Overview

Quantity:	100 µg
Target:	RFP
Reactivity:	Discosoma
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RFP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunoprecipitation (IP), Immunohistochemistry (IHC), Flow Cytometry (FACS), Fluorescence Microscopy (FM)

Product Details

Purpose:	RFP Antibody Pre-adsorbed
Immunogen:	Immunogen: The immunogen is a Red Fluorescent Protein (RFP) fusion protein corresponding to the full-length amino acid sequence (234aa) derived from the mushroom anemone Discosoma. Immunogen Type: Recombinant Protein
Cross-Reactivity (Details):	Minimal crossreactivity against Hu Ms & Rt Serum Proteins Expect reactivity against RFP and its variants: mCherry, tdTomato, mBanana, mOrange, mPlum, mOrange and mStrawberry.
Characteristics:	Synonyms: rabbit anti-RFP antibody, DsRed, rDsRed, Discosoma sp. Red Fluorescent Protein, Red fluorescent protein drFP583.
Purification:	This product was prepared from monospecific antiserum by immunoaffinity chromatography

Product Details

using Red Fluorescent Protein (Discosoma) coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities.

Preadsorption: Pre-Adsorbed

Sterility: Sterile filtered

Target Details

Target:	RFP
Alternative Name:	DsRed (RFP Products)
Background:	Background: RFP Antibody Pre-adsorbed is a high-quality, rabbit polyclonal antibody specifically designed for the detection of red fluorescent protein (RFP) and its variants like mCherry, mScarlet, and tdTomato. This product is suitable for a broad range of applications including Western blot (WB), ELISA, immunohistochemistry (IHC), immunofluorescence (IF), flow cytometry (FC), and more. It is uniquely pre-adsorbed to minimize cross-reactivity, offering high specificity and sensitivity. With over 900 references, this product stands as a proven tool in the scientific community, supporting a wide range of research studies from cellular signaling to disease pathology.
UniProt:	Q9U6Y8

Application Details

Application Notes:	Application Note: RFP Antibody Pre-adsorbed is designed for detecting RFP and its variants, tested across ELISA, Western blot, IF, IHC, and suitable for EM, FC, FISH, IP, and multiplex assays. It is applicable for ELISA in both sandwich and capture formats. Researchers should determine optimal titers for specific applications. Recommended starting dilutions are: ELISA 1:28,700 - 1:48,700, FC, IF, IHC 1:200 - 1:2,000, WB 1:1,000 - 1:5,000. Flow Cytometry Dilution: 1:200 - 1:2,000 Immunohistochemistry Dilution: 1:200 - 1:2,000 Western Blot Dilution: 1:1,000 - 1:5,000 Immunoprecipitation Dilution: User Optimized ELISA Dilution: 1:28,700 - 1:48,700 IF Microscopy Dilution: 1:200 - 1:2,000 Other: User Optimized
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.17 mg/mL

Handling

Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months