

Product Datasheet

RFP Antibody Biotin Conjugated (orb345914)

Catalog Number	orb345914
Description	RFP antibody (Biotin)
Species/Host	Gallus
Reactivity	Other
Conjugation	Biotin
Tested Applications	ELISA, IF, WB
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.
Preservatives	0.01% (w/v) Sodium Azide
Form/Appearance	Liquid (sterile filtered)
Concentration	1.0 mg/mL
Storage	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Note	For research use only

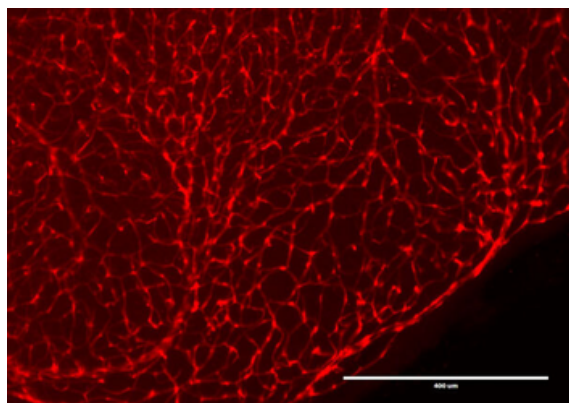
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Application notes	Anti-RFP is designed to detect recombinant RFP. This antibody has been tested to detect RFP by immunoblotting and immunofluorescence and is suitable for use in immunohistochemistry. Use either alkaline phosphatase or peroxidase conjugated polyclonal anti-RFP to detect RFP or RFP containing proteins on western blots. Optimal titers for applications should be determined by the researcher. This product shows optimal performance by western blot.
Isotype	IgY
Clonality	Polyclonal
Antibody Type	Primary Antibody
Purity	RFP Antibody was prepared from egg yolks by a multi-step process which includes filtration, delipidation, salt fractionation and extensive dialysis against the buffer stated above. RFP Antibody was tested by western blot and immunoelectrophoresis against anti-biotin, anti-chicken serum, and RFP.
Uniprot ID	Q9U6Y8
Dilution Range	ELISA: 1:10,000, IF: 1:100, WB: 1:1,000 - 1:3,000
Expiration Date	12 months from date of receipt.



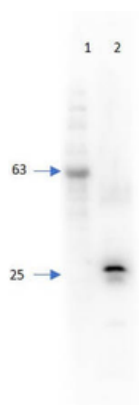
Immunofluorescence Microscopy of Chicken Anti-RFP antibody.
Tissue: DsRed transgenic mouse retina. Fixation: 4% PFA.
Blocking: 3% BSA, 0.3% Triton Primary antibody: RFP-biotin antibody at 1:100 for 12 h at 4°C. Secondary antibody: Alexa488 secondary antibody at 1:10000 for 4 hours at RT.
Localization: RFP is nuclear and occasionally cytoplasmic.
Staining: labeled in red.

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Western Blot of Chicken Anti-RFP Antibody Biotin Conjugated. Lane 1: Super Signal Molecular Weight. Lane 2: 50 ng of RFP. Primary Antibody: Chicken Anti-RFP biotin conjugated at 1:1000 overnight at 2-8°C. Secondary Antibody: HRP Streptavidin (p/n orb348767) 1:40000 for 30 mins at RT. Block: BlockOut Universal Blocking buffer (p/n orb348644). Expect: 27kDa.

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