Datasheet: AHP2987

Description:	RABBIT ANTI RED FLUORESCENT PROTEIN
Specificity:	RED FLUORESCENT PROTEIN
Other names:	DsRed, RFP
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			0.5 - 4.0 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Product Form

Purified IgG - liquid

Antiserum Preparation

Antiserum to red fluorescent protein (RFP) was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

30% Glycerol
0.5% Bovine Serum Albumin
0.01% Thiomersal

Approx. Protein Concentrations

IgG concentration 0.5 mg/ml

Immunogen

E. coli expressed recombinant red fluorescent protein

Specificity

Rabbit anti red fluorescent protein antibody recognizes the red fluorescent protein DsRed isolated from the mushroom coral *Discosoma striata*. The protein is also known as RFP and dsdrFP583 (Day and Davidson 2009). DsRed is a ~27 kDa protein that is optimally excited at a wavelength of 558 nm and emits light at 583 nm (Day and Davidson 2009). In contrast to most other fluorescent proteins, which are monomers, DsRed tends to appear in a tetramer configuration.

Western Blotting

Rabbit anti RFP antibody recognizes a band of approximately 27 kDa on recombinant RFP. The

	observed band size is approximately 32 kDa on SDS PAGE gel.
Further Reading	1. Day, R.N. & Davidson, M.W. (2009) The fluorescent protein palette: tools for cellular imaging. Chem Soc Rev. 38 (10): 2887-921.
Storage	Store at -20ºC Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10096 available at: 10096: https://www.bio-rad-antibodies.com/uploads/MSDS/10096.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin, FITC, HRP
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR36...)	DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800

Recommended Useful Reagents

RABBIT ANTI GREEN FLUORESCENT PROTEIN (AHP2984)
RABBIT ANTI BLUE FLUORESCENT PROTEIN (AHP2985)
RABBIT ANTI CYAN FLUORESCENT PROTEIN (AHP2986)
MOUSE ANTI mCHERRY (MCA6020)
RABBIT ANTI mCHERRY (AHP2326)

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Printed on 02 May 2018