

Datasheet: AHP2986

Description:	RABBIT ANTI CYAN FLUORESCENT PROTEIN
Specificity:	CYAN FLUORESCENT PROTEIN
Other names:	CFP
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 cyan fluorescent protein (CFP) 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 30% Glycerol
Stabilisers 0.5% Bovine Serum Albumin
 0.01% Thiomersal

Approx. Protein Concentrations IgG concentration 0.5 mg/ml

Immunogen *E. coli* expressed recombinant cyan fluorescent protein

Specificity **Rabbit anti CFP antibody** recognizes the cyan fluorescent protein (CFP), a monomeric engineered derivative of green fluorescent protein (GFP) isolated from the jellyfish *Aequorea victoria*. CFP is a ~31 kDa protein that is optimally excited at a wavelength of 439 nm and emits light at 476 nm ([Day and Davidson 2009](#)). In FRET (Fluorescence/Förster Resonance Energy Transfer) experiments, CFP is often used in combination with YFP (yellow fluorescent protein) ([Karpova and McNally 2006](#)).

Western Blotting Rabbit anti CFP antibody recognizes a band of approximately 31 kDa on recombinant CFP. The

observed band size is approximately 35 kDa. This antibody has minimum cross-reactivity with Yellow Fluorescent Protein.

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. 2. Karpova, T. & McNally, J.G. (2006) Detecting protein-protein interactions with CFP-YFP FRET by acceptor photobleaching. Curr Protoc Cytom. Chapter 12: Unit12.7.
Storage	Store at -20°C 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
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (STAR35...)	RPE
Sheep Anti Rabbit IgG (STAR36...)	DyLight@488 , DyLight@549 , DyLight@649 , DyLight@680 , DyLight@800
Sheep Anti Rabbit IgG (2AB02...)	Biotin

Recommended Useful Reagents

[RABBIT ANTI GREEN FLUORESCENT PROTEIN \(AHP2984\)](#)
[RABBIT ANTI BLUE FLUORESCENT PROTEIN \(AHP2985\)](#)
[RABBIT ANTI RED FLUORESCENT PROTEIN \(AHP2987\)](#)
[MOUSE ANTI mCHERRY \(MCA6020\)](#)
[RABBIT ANTI mCHERRY \(AHP2326\)](#)

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