

FITC Anti-R Phycoerythrin/rpeA antibody ab34723

1 References

Overview

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| Product name | FITC Anti-R Phycoerythrin/rpeA antibody |
| Description | FITC Goat polyclonal to R Phycoerythrin/rpeA |
| Host species | Goat |
| Conjugation | FITC. Ex: 493nm, Em: 528nm |
| Specificity | This antibody cross reacts with B Phycoerythrin. |
| Tested applications | Suitable for: Immunomicroscopy, Flow Cyt |
| Species reactivity | Reacts with: Red Algae |
| Immunogen | Full length native protein (purified) corresponding to R Phycoerythrin/rpeA. Highly purified R Phycoerythrin/rpeA from the seaweed Gracilaria. |
| General notes | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

Properties

| | |
|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C. |
| Storage buffer | <p>pH: 6.50</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 1% BSA, 0.42% Tripotassium orthophosphate, 0.87% Sodium chloride</p> |
| Purity | Immunogen affinity purified |
| Purification notes | This antibody was prepared from monospecific antiserum by immunoaffinity chromatography using a R Phycoerythrin/rpeA coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab34723 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|------------------|-----------|---|
| Immunomicroscopy | | Use at an assay dependent concentration. The antibody is also thought to be suitable for other antibody based fluorescent assays. |
| Flow Cyt | | Use at an assay dependent concentration. ab37394 - Goat polyclonal IgG, is suitable for use as an isotype control with this antibody. |

Target

Relevance

Phycoerythrin is one of a series of fluorescent pigments known as phycobiliproteins, which are produced by red and blue green algae. It occurs in more than one form, and has found application in immunology and diagnostic medicine. B and R Phycoerythrins provide superior labeling compared to fluorescein and rhodamine, and are used for labeling antibodies, usually monoclonals. These dyes may also be coupled to enzymes and other proteins, nucleic acids, polypeptide hormones, drugs, etc. Since phycoerythrins absorb light maximally between 450 and 650nm they fill the need for an intense fluorescent dye in the longer wavelengths of the visible spectrum, thereby avoiding interference from naturally fluorescing biological substances. R Phycoerythrin (240 kDa) is a labile molecule that may dissociate into components upon exposure to reducing or denaturing agents.

Cellular localization

Plastid; chloroplast; chloroplast thylakoid lumen. Periphery of the rods of the phycobilisome.

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