

Anti-R Phycoerythrin/rpeA antibody ab34721

1 References

Overview

Product name	Anti-R Phycoerythrin/rpeA antibody
Description	Goat polyclonal to R Phycoerythrin/rpeA
Host species	Goat
Specificity	This antibody cross reacts with B Phycoerythrin.
Tested applications	Suitable for: ELISA, WB, IP, Immunodiffusion
Species reactivity	Reacts with: Red Algae
Immunogen	Full length native protein (purified) corresponding to Sea anenome R Phycoerythrin/rpeA. Purified 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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
Purity	Immunogen affinity purified
Purification notes	This antibody was purified from monospecific antiserum by immunoaffinity chromatography using a R Phycoerythrin 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 ab34721 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
ELISA		
WB		
IP		
Immunodiffusion		

Application notes

Conjugation to magnetic particles (beads): Use at an assay dependent dilution.
ELISA: 1/20,000 - 1/100,000.
ID: Use at an assay dependent dilution.
IP: Use at an assay dependent dilution.
WB: 1/2,000 - 1/10,000. Predicted molecular weight: 240 kDa.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

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.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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