

Biotin Anti-R Phycoerythrin/rpeA antibody ab34730

Overview

Product name	Biotin Anti-R Phycoerythrin/rpeA antibody
Description	Biotin Goat polyclonal to R Phycoerythrin/rpeA
Host species	Goat
Conjugation	Biotin
Specificity	This antibody will cross react with B Phycoerythrin. Reactivity with other phycobiliproteins is unknown.
Tested applications	Suitable for: Dot blot, WB, ELISA
Species reactivity	Reacts with: Red Algae
Immunogen	Full length protein corresponding to R Phycoerythrin/rpeA.
General notes	<p>10-20 Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC) molecules per goat IgG molecule.</p> <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). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 6.50 Preservative: 0.01% Sodium azide Constituents: 1% BSA, 0.42% Tripotassium orthophosphate, 0.87% Sodium chloride IgG and Protease free
Purity	Immunogen affinity purified
Purification notes	This antibody was prepared from monospecific antiserum by immunoaffinity chromatography using 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 ab34730 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
Dot blot		Use at an assay dependent dilution.
WB		1/1000 - 1/3000. Detects a band of approximately 240 kDa.
ELISA		1/8000 - 1/32000.

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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