

HRP Anti-R Phycoerythrin/rpeA antibody ab34727

Overview

Product name	HRP Anti-R Phycoerythrin/rpeA antibody
Description	HRP Goat polyclonal to R Phycoerythrin/rpeA
Host species	Goat
Conjugation	HRP
Specificity	This antibody cross reacts with B Phycoerythrin.
Tested applications	Suitable for: WB, Dot blot, ELISA, Electron Microscopy
Species reactivity	Reacts with: Red Algae
Immunogen	Full length protein corresponding to R Phycoerythrin/rpeA. Corresponds to the seaweed Gracilaria

General notes

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.

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1% BSA, 0.42% Potassium phosphate, 0.87% Sodium chloride
Purification notes	This antibody was prepared 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 ab34727 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
WB		
Dot blot		
ELISA		
Electron Microscopy		

Application notes

Dot blot: Use at an assay dependent dilution.
Immunoperoxidase Electron Microscopy: Use at an assay dependent dilution.
ELISA: 1/2,000 - 1/10,000.
WB: 1/500 - 1/2,000. Predicted molecular weight: 240 kDa.

Not yet tested in other applications but thought to be suitable for other peroxidase-antibody based enzymatic assays.

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"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise,

please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors