

Product datasheet

Biotin Anti-RFP antibody ab34771

★★★★★ [5 Abreviews](#) [86 References](#) [2 Images](#)

Overview

Product name	Biotin Anti-RFP antibody
Description	Biotin Rabbit polyclonal to RFP
Host species	Rabbit
Conjugation	Biotin
Specificity	ab34771 recognises RFP. The antibody is predicted to react with all RFP variants from Discosoma (including DsRed, TdTomato, mOrange etc.) based on sequence homology and polyclonality of the antibody. However, such crossreactivity has not been QC tested.
Tested applications	Suitable for: WB
Immunogen	Fusion protein corresponding to RFP. Red Fluorescent Protein (RFP) fusion protein corresponding to the full length amino acid sequence (234aa) derived from the mushroom polyp coral Discosoma.
General notes	<p>Biotin/Protein Ratio: 10-20 BAC molecules per IgG molecule Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC)</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	<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 product was prepared from monospecific antiserum by immunoaffinity chromatography using

Red Fluorescent Protein (Discosoma) coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. No reaction was observed against Human, Mouse or Rat serum proteins. ELISA was used to confirm specificity at less than 0.1% of target signal.

Clonality

Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab34771 in the following tested applications.

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

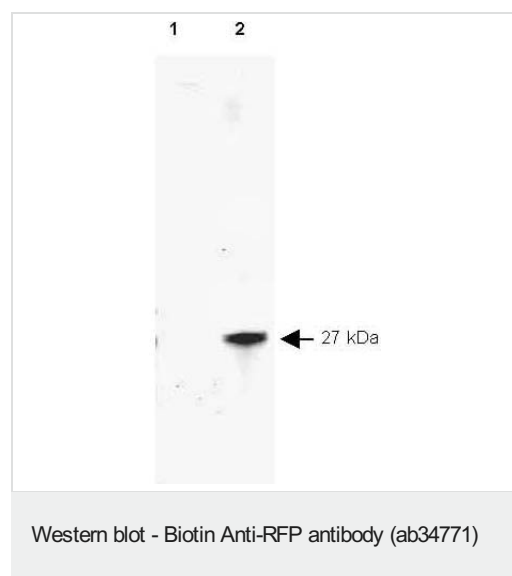
Application	Abreviews	Notes
WB		1/2000 - 1/10000. Detects a band of approximately 27 kDa.

Target

Relevance

Fluorescent proteins have become a useful and ubiquitous tool for making chimeric proteins, where they function as a fluorescent protein tag. Typically they tolerate N- and C-terminal fusion to a broad variety of proteins. They have been expressed in most known cell types and are used as a noninvasive fluorescent marker in living cells and organisms. They enable a wide range of applications where they have functioned as a cell lineage tracer, reporter of gene expression, or as a measure of protein-protein interactions.

Images



All lanes : Biotin Anti-RFP antibody (ab34771) at 1/2500 dilution

Lane 1 : 10 µg of HeLa cell extract containing GFP recombinant protein

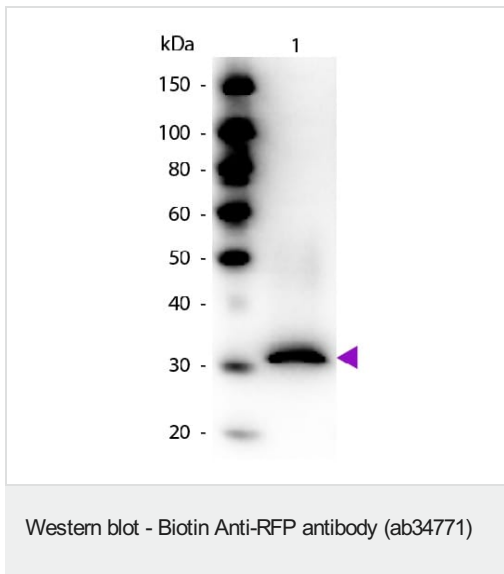
Lane 2 : 10 µg of a HeLa lysate containing RFP recombinant protein.

Secondary

All lanes : IRDye™800 conjugated Goat anti-Rabbit IgG at 1/5000 dilution

Observed band size: 27 kDa

IRDye™800 fluorescence image was captured using the Odyssey®
Infrared Imaging System developed by LI-COR.



Biotin Anti-RFP antibody (ab34771) at 1/1000 dilution

Secondary

Peroxidase streptavidin secondary antibody at 1/40000 dilution

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

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