

Product datasheet

Anti-RFP antibody ab152123

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Overview

Product name	Anti-RFP antibody
Description	Rabbit polyclonal to RFP
Host species	Rabbit
Tested applications	Suitable for: WB, IP, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length RFP.
Positive control	RFP-transfected HeLa cells; RFP-transfected 293T lysate.
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. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab152123 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

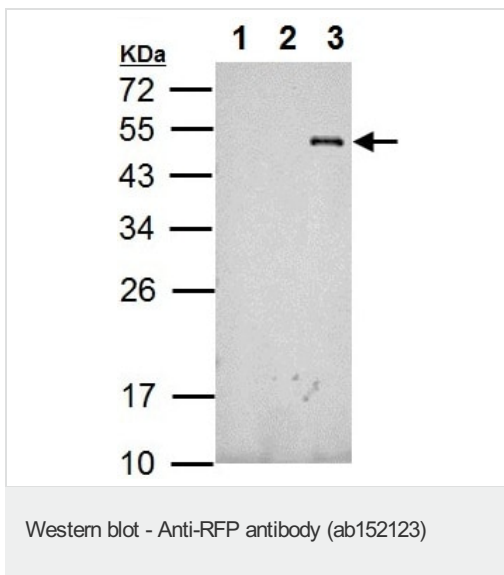
Application	Abreviews	Notes
WB		1/5000 - 1/20000. Predicted molecular weight: 27 kDa.
IP		1/10000.
ICC/IF		1/5000.

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 : Anti-RFP antibody (ab152123) at 1/10000 dilution

Lane 1 : Non-transfected 293T whole cell lysate

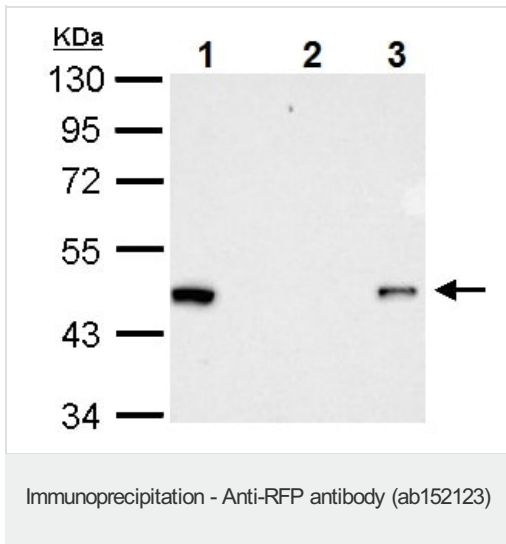
Lane 2 : GFP-transfected 293T whole cell lysate

Lane 3 : RFP-transfected 293T whole cell lysate

Lysates/proteins at 5 µg per lane.

Predicted band size: 27 kDa

12% SDS PAGE



Immunoprecipitation of RFP-tagged protein.

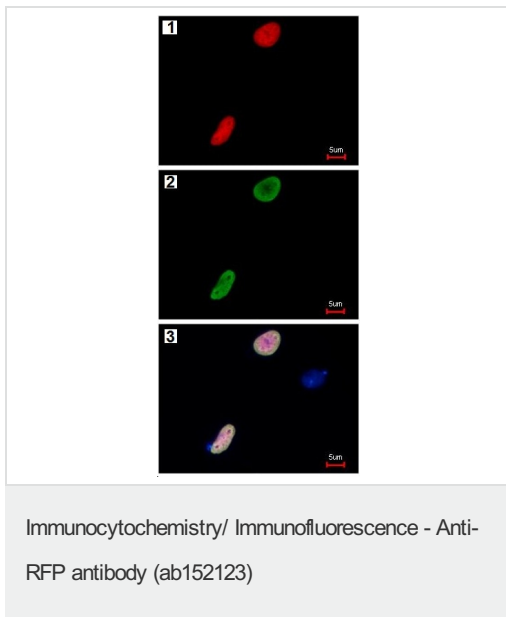
HeLa transfected lysates were subjected to immunoprecipitation using:

Lane 1: 15 µg of HeLa transfected lysate

Lane 2: normal rabbit IgG

Lane 3: 2.5 µg ab152123

Detection ab152123 at 1/10000 dilution



Immunofluorescence analysis of RFP-transfected HeLa cells

labeling RFP with ab152123: (1) RFP is expressed in the transfected cell, (2) The cell expressing RFP is detected using ab152123 at 1/5000 followed by Alexa Fluor 488 at 1/500 Goat anti-Rabbit IgG, (3) Merged with DNA probe, the lower cell represents a negative control.

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