

# Anti-RFP antibody ab152123

[3 References](#) [3 Images](#)

### Overview

<b>Product name</b>	Anti-RFP antibody
<b>Description</b>	Rabbit polyclonal to RFP
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Species independent
<b>Immunogen</b>	Recombinant full length RFP.
<b>Positive control</b>	RFP-transfected HeLa cells; RFP-transfected 293T lysate.
<b>General notes</b>	<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&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	<p>pH: 7</p> <p>Preservative: 0.01% Thimerosal (merthiolate)</p> <p>Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)</p>
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	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.

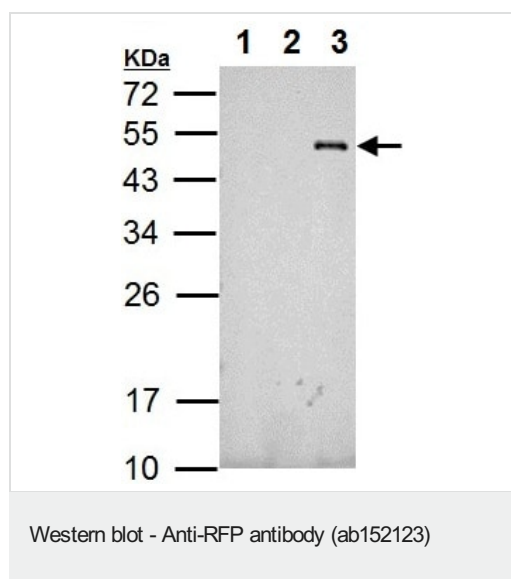
Application	Abreviews	Notes
WB		1/5000 - 1/20000. Predicted molecular weight: 27 kDa.
IP		1/10000.
ICC/IF		1/5000.

## 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

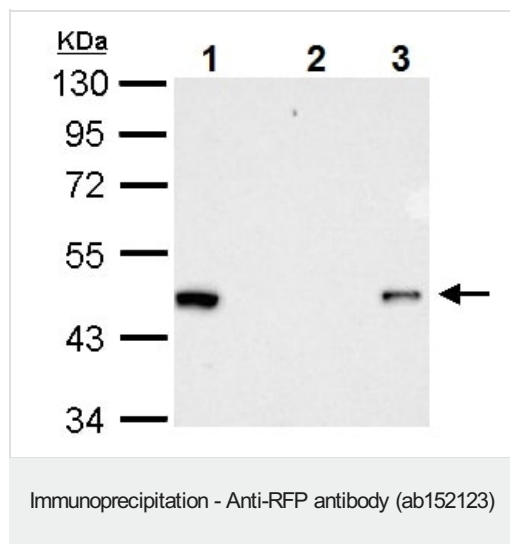
**Lane 2 :** GFP-transfected 293T whole cell lysate

**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.

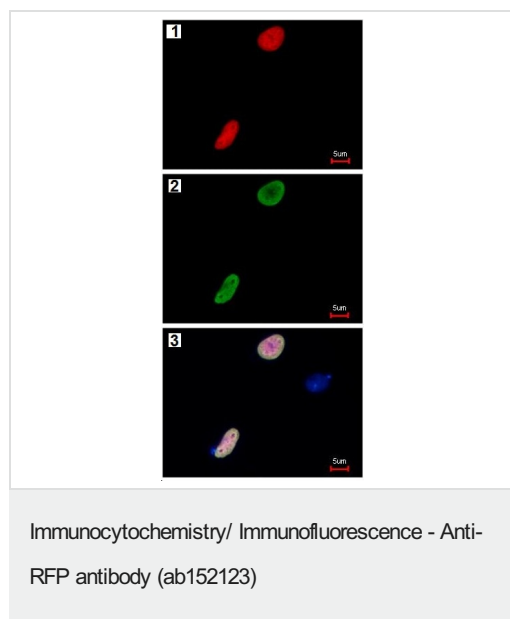
HeLa transfected lysates were subjected to immunoprecipitation using:

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.

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

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