

Product datasheet

Anti-RFP antibody ab124754

★★★★★ 1 Abreviews 5 References 6 Images

Overview

Product name	Anti-RFP antibody
Description	Rabbit polyclonal to RFP
Host species	Rabbit
Tested applications	Suitable for: ELISA, WB, IHC-P
Immunogen	Recombinant full length protein corresponding to RFP. Corresponding to the full length amino acid sequence (234aa) derived from the mushroom polyp coral <i>Discosoma</i> .
Positive control	IHC: DsRed transgenic mouse retina tissue; Mouse lung and embryonic myocardial tissues; Rabbit Hair follicle. WB: RFP protein.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.88% Sodium chloride
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab124754** 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
ELISA		1/50000.
WB		1/1000 - 1/50000.

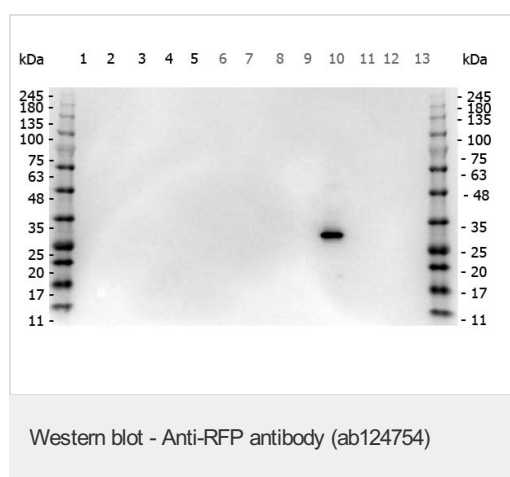
Application	Abreviews	Notes
IHC-P	★★★★★	1/200 - 1/20000.

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 (ab124754) at 1 µg/ml

Lane 1 : HEK-293 (human epithelial cell line from embryonic kidney) cell lysate at 10 µg

Lane 2 : HeLa (human epithelial cell line from cervix adenocarcinoma) cell lysate at 10 µg

Lane 3 : CHO-K1 (chinese hamster ovary cell line) cell lysate at 10 µg

Lane 4 : MDA-MB-231 (human breast adenocarcinoma cell line) cell lysate at 10 µg

Lane 5 : A431 (human epidermoid carcinoma cell line) cell lysate at 10 µg

Lane 6 : Jurkat (human T cell leukemia cell line from peripheral blood) cell lysate at 10 µg

Lane 7 : NIH/3T3 (mouse embryo fibroblast cell line) cell lysate at 10 µg

Lane 8 : E-coli HCP Control at 10 µg

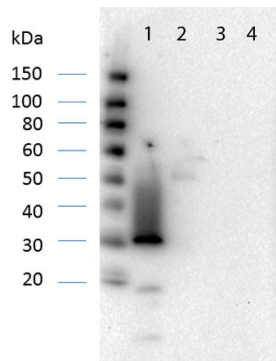
Lane 9 : FLAG Positive Control Lysate at 10 µg

Lane 10 : Red Fluorescent Protein at 0.05 µg

Lane 11 : Green Fluorescent Protein at 0.05 µg

Lane 12 : Glutathione-S-Transferase Protein at 0.05 µg

Lane 13 : Maltose Binding Protein at 0.05 µg



Western blot - Anti-RFP antibody (ab124754)

All lanes : Anti-RFP antibody (ab124754) at 1/1000 dilution

Lane 1 : RFP with Blocking buffer

Lane 2 : Human IgG with Blocking buffer

Lane 3 : Goat IgG with Blocking buffer

Lane 4 : Mouse IgG with Blocking buffer

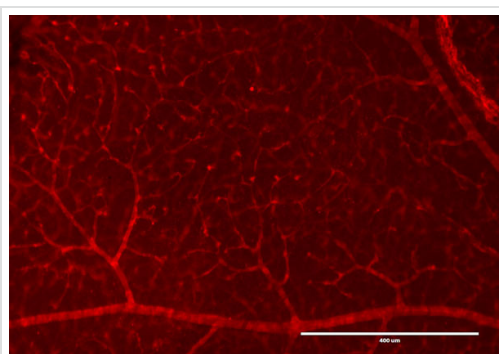
Lysates/proteins at 0.05 µg per lane.

Secondary

All lanes : Rabbit peroxidase conjugate at 1/40000 dilution

Observed band size: 30 kDa

[why is the actual band size different from the predicted?](#)

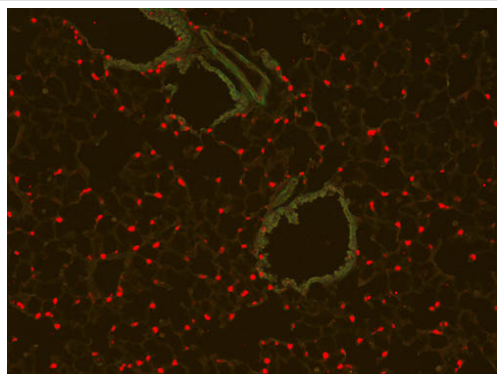


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RFP antibody (ab124754)

PFA-fixed DsRed transgenic mouse retina tissue stained for RFP using ab124754 at 1/100 dilution in immunohistochemical analysis.

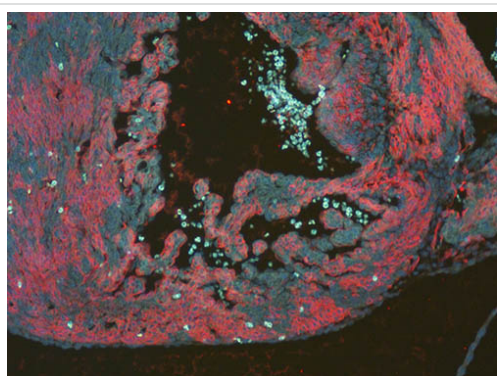
Blocking: 3% BSA, 0.3% Triton.

Secondary antibody: Alexa488 secondary antibody at 1:10,000 for 4 hours at RT.



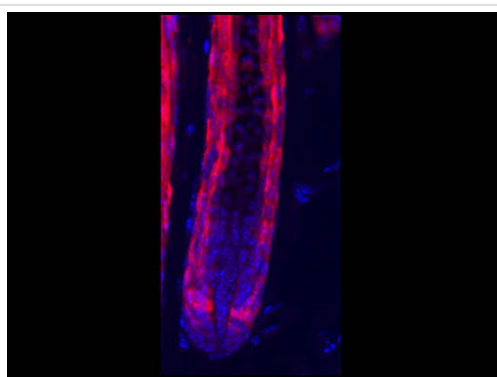
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RFP antibody (ab124754)

Immunohistochemical immunofluorescence analysis of 4% PFA fixed mouse lung sections, labelling RFP with ab124754 at 1/50 dilution for 1 hour at room temperature. The secondary used was a rabbit fluorescein conjugate at 1/250 incubated for 1 hour at room temperature.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RFP antibody (ab124754)

Immunohistochemical immunofluorescence analysis of 4% PFA fixed mouse embryonic myocardial tissue, labelling RFP with ab124754 at a 1/50 dilution for 1 hour at room temperature. The secondary used was a rabbit fluorescein conjugate at a 1/250 dilution for 1 hour at room temperature. Counterstain is an expression of RFP in red Tomato transgenic mice.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RFP antibody (ab124754)

Immunohistochemical immunofluorescence analysis of 0.5% PFA fixed Rabbit Hair follicle section labelling RFP using ab124754 at a dilution of 10 ug/mL for 1 hour at room temperature. The secondary used was a blue rabbit fluorescein conjugate at a 1/10,000 for 45 mins at room temperature. A counterstain against HOP-derived cells was used (red).

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