

Product datasheet

Anti-RFP antibody ab28664

★★★★☆ 3 Abreviews 9 References 2 Images

Overview

Product name	Anti-RFP antibody
Description	Rabbit polyclonal to RFP
Host species	Rabbit
Specificity	ab28664 detects RFP tagged proteins. This antibody is specific for the RFP tag. It shows very low reactivity to GFP or GFP tagged proteins. ab28664 non-specifically detects a 45 kDa protein from E. coli extracts. This non-specific cross-reactivity is not present in mammalian samples.
Tested applications	Suitable for: WB, ICC/IF
Immunogen	Synthetic peptide: VNGHEFEIEGEGEGR , corresponding to amino acids 22-36 of RFP from Discosoma sea anemone.
	Run BLAST with Run BLAST with

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: PBS, 0.1% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab28664** 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
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Application	Abreviews	Notes
WB	★★★★☆	1/1000. Predicted molecular weight: 26 kDa. Use at a concentration of 2 µg/ml. Block membrane in 5% milk and incubate primary and secondary antibodies in milk.
ICC/IF	★★★★☆	1/50 - 1/200.

Target

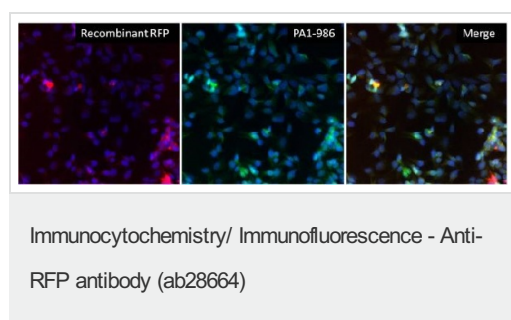
Relevance

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



Western blot of recombinant RFP using ab28664.



Immunofluorescent analysis of recombinant Red Fluorescent Protein (RFP)-transfected HeLa cells. Cells were transfected with a pCMV RFP C-Myc plasmid and 48 hours post-transfection cells were fixed with formalin and permeabilized with 0.1% Triton X-100 for 15 minutes at room temperature. Cells were blocked with 3% BSA for 15 minutes at room temperature, and then probed with ab28664 at a dilution of 1/50 for at least 1 hour at room temperature, washed with PBS, and incubated with DyLight[®] 488-conjugated goat anti-rabbit IgG secondary antibody at a dilution of 1/400 for 30 minutes at room temperature. Nuclei (blue) were stained with Hoechst 33342 dye. Images were taken at 20X magnification.

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