abcam

ab34764

FITC Anti-RFP antibody

Anti-RFP antibody conjugated to FITC is a rabbit polyclonal antibody suitable for ELISA, flow cytometry, ICC/IF, Western blot.

Key facts

Isotype	IgG
Host species	Rabbit
Conjugation	FITC
Excitation/Emission	Ex: 495nm, Em: 519nm
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 1% BSA, 0.88% Sodium chloride, 0.424% Potassium phosphate solution
Form	Liquid
Clonality	Polyclonal
Immunogen	Recombinant Protein within Sea anenome Red fluorescent protein drFP583. The exact immunogen used to generate this antibody is proprietary information. Database link Q9U6Y8
Purification technique	Affinity purification
Specificity	Expect reactivity against RFP and its variants: mCherry, tdTomato, mBanana, mOrange, mPlum, mOrange and mStrawberry. 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.
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	affinity purification was followed by solid phase adsorption to remove any unwanted reactivities.

Reactivity data

Flow Cyt

Expected

Species	Tag
Dilution info	-
Notes	ab37406 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

ELISA

Expected

Species	Tag
Dilution info	Use at an assay dependent concentration.
Notes	-

WB

Tested

Species	Tag
Dilution info	1/10000
Notes	-

ICC/IF

Expected

Species	Tag
Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information Red fluorescent protein drFP583

Function	Thought to play a role in photoprotection of the coral's resident symbiont microalgae's photosystems from photoinhibition caused by high light levels found

near the surface of coral reefs. In deeper water, the fluorescence may be to convert blue light into longer wavelengths more suitable for use in photosynthesis by the microalgal symbionts.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C

Notes

3.4 moles FITC per mole of rabbit IgG.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

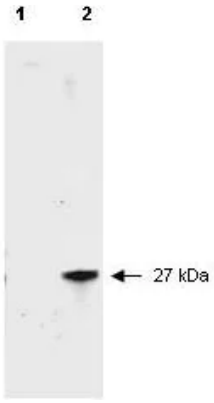
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

1 product image



Western blot - FITC Anti-RFP antibody (ab34764)

Lanes 1 - 2:
Western blot - HRP Anti-RFP antibody (ab34767) at 1/2500 dilution

Lanes 1 - 2:
Western blot - FITC Anti-RFP antibody (ab34764) at 1/2500 dilution

Lane 1:
HeLa cell extract at 10 µg

Lane 2:
HeLa lysate at 10 µg

Secondary

All lanes:
Goat-a-Rabbit IgG [H&L] at 1/5000 dilution

Predicted band size: 26 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.