abcam

Product datasheet

HRP Anti-Fluorescein antibody ab6656

★★★★★ 2 Abreviews 7 References 2 Images

Overview

Product name	HRP Anti-Fluorescein antibody
Description	HRP Goat polyclonal to Fluorescein
Host species	Goat
Conjugation	HRP
Specificity	This antibody reacts with FITC-conjugated proteins.
Tested applications	**Suitable for:** ELISA, IHC-P, IHC-Fr, WB
Species reactivity	**Reacts with:** Species independent
Immunogen	Chemical/ Small Molecule corresponding to Fluorescein. Fluorescein conjugated to Goat IgG
General notes	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. 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 6.5 Preservative: 0.01% Gentamicin sulphate Constituents: 0.42% Tripotassium orthophosphate, 0.87% Sodium chloride, 1% BSA
Purity	Affinity purified
Purification notes	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Fluorescein IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab6656 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

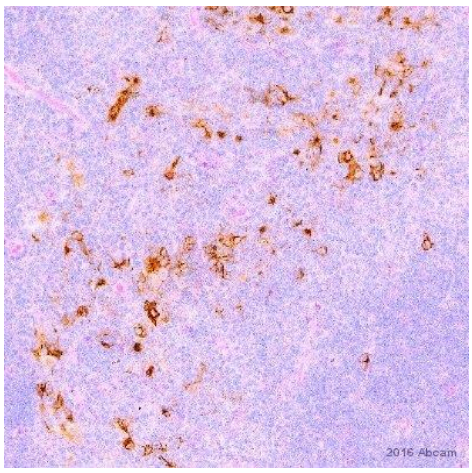
Application	Abreviews	Notes
ELISA		1/200000.
IHC-P	★★★★☆ (1)	1/500 - 1/2500.
IHC-Fr	★★★★★ (1)	Use at an assay dependent concentration.
WB		1/1000 - 1/5000.

Target

Relevance

Fluorescein is a fluorophore commonly used to label proteins - protein-fluorescein conjugates are not usually susceptible to precipitation. In addition to its relatively high absorptivity, excellent fluorescence quantum yield and good water solubility, fluorescein has an excitation maximum of 494 nm that closely matches the 488 nm spectral line of the argon-ion laser, making it an important fluorophore for confocal laser-scanning microscopy and flow cytometry applications. Its fluorescence is pH sensitive and is significantly reduced below pH 7. Fluorescein emits most strongly between 500 and 550 nm, but it has a relatively broad emission spectrum reaching to over 600 nm. Several derivatives of fluorescein are commonly used, including FITC (fluorescein isothiocyanate), carboxylates and succinimidyl esters.

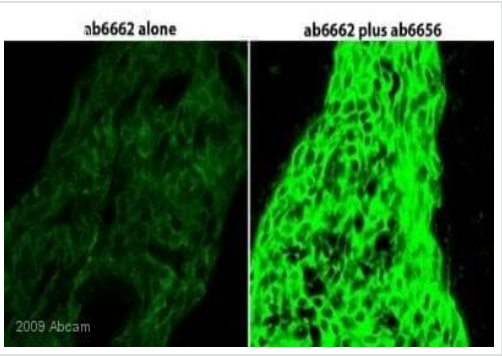
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - HRP Anti-Fluorescein antibody (ab6656)

This image is courtesy of an anonymous Abreview

Immunohistochemical analysis of Mouse thymus in which the medullary epithellai cells are labelled with fluorescein-conjugated UEA1 lectin with ab6656. Tissue was fixed with paraformaldehyde and blocked with 1% BSA for 40 minutes at 20°C. Samples were incubated with primary antibody (1/1000) for 1 hour at 20°C.



Immunohistochemistry (Frozen sections) - HRP Anti-Fluorescein antibody (ab6656)

This image is courtesy of an anonymous Abreview

ab6656 staining GFP in Mouse mammary carcinoma metastasis tissue sections by Immunohistochemistry (IHC-Fr - frozen sections). Perfusion fixed tissue with 4% paraformaldehyde, blocked with 0.5% Perkin-Elmer TNB blocking reagent for 30 minutes at 25°C and permeabilized with 0.1% Triton X-100. Samples were incubated with primary antibody (1/500) for 30 minutes at 25°C

Micrograph demonstrates use of **ab6662** for detection of GFP-positive tumor cells (LEFT) and an adjacent section after amplification with ab6656 (RIGHT). Images were taken with identical settings on a Leica confocal microscope.

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