

HRP Anti-Fluorescein antibody ab19492

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Overview

Product name	HRP Anti-Fluorescein antibody
Description	HRP Rabbit polyclonal to Fluorescein
Host species	Rabbit
Conjugation	HRP
Tested applications	Suitable for: IHC-P, WB, ELISA
Species reactivity	Reacts with: Species independent
Immunogen	Fluorescein coupled to KLH
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.02% Thimerosal (merthiolate) Constituents: PBS, 1% BSA
Purification notes	Solid phase hapten antibody capture. Affinity purified and absorbed antibody covalently coupled to a highly purified preparation of Horseradish Peroxidase (RZ>3). Care is taken to ensure adequate conjugation while preserving maximum enzyme activity. Free enzyme is removed. Estimated substitution ratio: HRP:IgG is >1.5
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab19492 in the following tested applications.

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

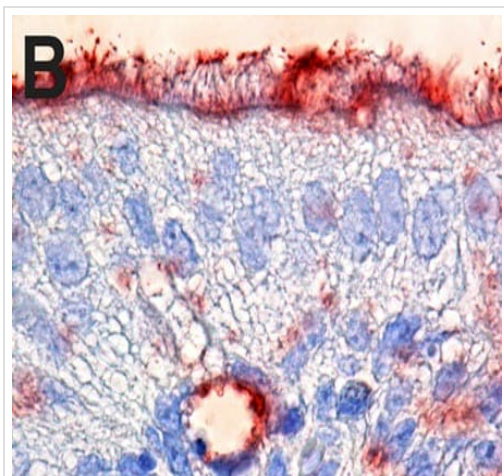
Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
WB		1/20 - 1/200.
ELISA		1/200 - 1/1000.

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



Immunohistochemical analysis of chicken trachea tissue, infected with an avian influenza virus, staining Fluorescein with ab19492. Fluorescein-labeled influenza viruses were incubated with tissue overnight at 4°C. Sections were incubated with primary antibody and the signal was amplified with a tyramide signal amplification system.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - HRP Anti-Fluorescein antibody (ab19492)

Image from Jourdain E et al., PLoS One. 2011;6(9):e24155. Epub 2011 Sep 1. Fig 1.; doi:10.1371/journal.pone.0024155; September 1, 2011, PLoS ONE 6(9): e24155.

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

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