

## Product datasheet

# Anti-Yersinia pseudotuberculosis antibody ab26120

★★★★★ 1 Abreviews 2 References

### Overview

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<b>Product name</b>	Anti-Yersinia pseudotuberculosis antibody
<b>Description</b>	Rabbit polyclonal to Yersinia pseudotuberculosis
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Other species
<b>Immunogen</b>	Yersinia pseudotuberculosis (YP11) grown at 26C and fixed with PFA.
<b>General notes</b>	<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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Constituent: Whole serum
<b>Purity</b>	Whole antiserum
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab26120 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
ICC/IF	★★★★★ (1)	1/500.

## Target

### Relevance

*Yersinia pseudotuberculosis* is a gram-negative coccobacillus belonging to the family Enterobacteriaceae. Isolated first in 1883 by Malassez and Vignal the organism has received numerous names before being included in the genus *Yersinia*. The designation pseudotuberculosis derives from the characteristic histopathological aspect found in mesenteric lymph nodes of lymphoid hyperplasia cases which closely resemble those observed during tuberculosis infection. *Yersinia pseudotuberculosis* is widely spread in the environment (soil, water, vegetables, etc). This bacterium is a primary pathogen of wild and domestic animals in all continents. Nearly all animal species are potential carriers of *Yersinia pseudotuberculosis* and asymptomatic carriage can evolve into a fulminating and fatal infection when the animals are subjected to stress (famine, cold temperatures, etc.). The disease is transmitted by the feco-oral route. In humans, *Yersinia pseudotuberculosis* infections are not frequent although outbreaks associated with consumption of water or food supplies contaminated with animal feces are reported. Humans develop varying degrees of illness, from abdominal pain and fever to septicemia, but a mesenteric adenitis that mimics an acute appendicular syndrome (pseudoappendicitis) is the most common clinical presentation. In most instances, the infection is self-limiting and can be effectively treated with antibiotic therapy. A striking characteristic of *Yersinia pseudotuberculosis* is the high degree of sequence identity to *Yersinia pestis* (the causative agent of plague) which is intriguing given the markedly different epidemiological and clinical features of the two species. In this regards, it should be noted that *Yersinia pestis* has been proposed to be a recently emerged clone of *Yersinia pseudotuberculosis* (Achtman et al. 1999). Although the mode of transmission of *Yersinia pestis* (from rodent to rodent and from rodent to humans by the bite of infected fleas) may be attributed to the acquisition of two plasmids unique to this species, the presence of these plasmids is not sufficient to account for the extraordinary virulence of *Yersinia pestis* (Kutyrev et al. 1999, Welkos et al. 1995).

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

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