## Overview

**Product name**  
Anti-Pseudomonas aeruginosa antibody

**Description**  
Chicken polyclonal to Pseudomonas aeruginosa

**Host species**  
Chicken

**Specificity**  
ab74980 reacts with P. aeruginosa strains PAO1 and Habs1. The antibody will also crossreact with other P. aeruginosa strains in ELISA and immunoblotting. The main reactivity of this antibody is with flagellin a and b in Pseudomonas.

**Tested applications**  
Suitable for: WB, ELISA

**Species reactivity**  
Reacts with: Other species

**Immunogen**  
Whole formaldehyde killed bacteria, Pseudomonas aeruginosa strains PAO1 and Habs1

**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

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
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<tbody>
<tr>
<td><strong>Form</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Storage instructions</strong></td>
<td>Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.</td>
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</table>
| **Storage buffer** | Preservative: 0.1% Sodium azide  
Constituent: 0.9% Sodium chloride                                             |
| **Purity**        | IgY fraction                                                            |
| **Purification notes** | The antibody is purified by a two step PEG precipitation procedure followed by ammonium sulphate precipitation. |
| **Clonality**     | Polyclonal                                                               |
| **Isotype**       | IgY                                                                      |
**Relevance**

Pseudomonas aeruginosa is Gram-negative, aerobic, rod-shaped bacteria with unipolar motility. An opportunistic human pathogen, P. aeruginosa is also an opportunistic pathogen of plants. P. aeruginosa bacteria are clinically important because they are resistant to most antibiotics and they are capable of surviving in conditions that few other organisms can tolerate. Pseudomonas is often encountered in hospital and clinical work because it is a major cause of hospital acquired (nosocomal) infections. Its main targets are immunocompromised individuals, burn victims, and individuals on respirators or with indwelling catheters. Additionally, these pathogens colonize the lungs of cystic fibrosis patients. P. aeruginosa is often identified by its pearlescent appearance and grape-like odor in vitro. Definitive clinical identification of P. aeruginosa includes identifying the production of both pyocyanin and fluorescein as well as its ability to grow at 42°C. P. aeruginosa is capable of growth in diesel and jet fuel, where it is known as hydrocarbon utilizing microorganisms (or "HUM bugs"), causing microbial corrosion. It creates dark gellish mats sometimes improperly called "algae".

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

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