



## Datasheet for ABIN1607809 anti-Penicillinase antibody (Biotin)



[Go to Product page](#)

### 1 Image

#### Overview

|              |  |
|--------------|--|
| Quantity:    | 100 µg   |
| Target:      | Penicillinase  |
| Reactivity:  | Enterobacter cloacae                                   |
| Host:        | Rabbit   |
| Clonality:   | Polyclonal   |
| Conjugate:   | This Penicillinase antibody is conjugated to Biotin    |
| Application: | Western Blotting (WB), ELISA, Immunoprecipitation (IP) |

#### Product Details

|                             |   |
|-----------------------------|---|
| Immunogen:                  | Penicillinase [Enterobacter cloacae]<br>Immunogen Type: Native Protein  |
| Isotype:                    | IgG   |
| Cross-Reactivity (Details): | Cross reactivity against Penicillinase from other sources is unknown.   |
| Purity:                     | Anti-Penicillinase antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Rabbit Serum as well as purified and partially purified Penicillinase [Enterobacter cloacae]. |
| Endotoxin Level:            | Low Endotoxin : No  |

## Target Details

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|             |  |
|-------------|--|
| Target:     | Penicillinase  |
| Abstract:   | <a href="#">Penicillinase Products</a>   |
| Background: | Anti-Penicillinase antibody recognizes the protein penicillinase, a beta lactamase specific to penicillins. Penicillinase hydrolyzes the beta-lactam ring of penicillins destroying their antibacterial potency. Thus, penicillinase is often found in antibiotic-resistant bacteria.<br>Synonyms: Aer1 antibody, Beta lactamase 1 antibody, Beta lactamase AER 1 antibody, OXA9 antibody, Oxacillinase antibody, PenPC antibody |
| Gene ID:    | 9125732  |
| UniProt:    | <a href="#">P05364</a>   |

## Application Details

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|--------------------|--|
| Application Notes: | Anti-Penicillinase antibody has been assayed against 1.0 µg of Penicillinase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:4.000 to 1:20.000 of the reconstitution concentration is suggested for this product. This product has been assayed against 1.0 µg of Penicillinase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:4.000 to 1:20.000 of the reconstitution concentration is suggested for this product.<br><br>ELISA Dilution: 1:5.000 - 1:20.000<br>IF Immunoprecipitation Dilution: 1:100<br>Western Blot Dilution: 1:500 - 1:5.000 |
|--------------------|--|

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
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## Handling

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|                  |  |
|------------------|--|
| Format:          | Liquid   |
| Concentration:   | 10 mg/mL   |
| Buffer:          | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2<br>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| Handling Advice: | Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.   |
| Storage:         | -20 °C   |

## Handling

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**Storage Comment:** Store vial at -20 °C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.

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**Expiry Date:** Expiration date is one (1) year from date of opening.

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## Images

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### Dot Blot

**Image 1.** Dot Blot results of Rabbit Anti-Penicillinase Antibody Biotin Conjugated. Dots are Penicillinase at (1) 100ng, (2) 33.3ng, (3) 11.1ng, (4) 3.70ng, (5) 1.23ng. Blocking: ABIN925618 for 30 min at RT. Primary Antibody: Rabbit Anti-Penicillinase Biotin at 1µg/mL for 1hr at RT. Secondary Antibody: Streptavidin-HRP at 1:40,000 for 30min at RT. Imaged with BioRad ChemiDoc, Chemi filter.