Datasheet for ABIN7565904

anti-ampC antibody (HRP)

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Overview

Quantity:	25 µL
Target:	ampC
Reactivity:	Enterobacter cloacae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ampC antibody is conjugated to HRP
Application:	Western Blotting (WB), Immunoprecipitation (IP), Dot Blot (DB)

Product Details

Purpose:	Penicillinase Antibody Peroxidase Conjugated
Immunogen:	Immunogen: Penicillinase [Enterobacter cloacae] Immunogen Type: Native Protein
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Penicillinase [Enterobacter cloacae].
Characteristics:	Synonyms: rabbit anti-Penicillinase Antibody Peroxidase Conjugation, HRP Conjugated rabbit anti-Penicillinase Antibody, Aer1 antibody, Beta lactamase 1 antibody, Beta lactamase AER 1 antibody, OXA9 antibody, Oxacillinase antibody, PenPC antibody, Cephalosporinase
Purification:	Penicillinase 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.
Sterility:	Sterile filtered

Target Details

Target:	ampC
Alternative Name:	ampC (ampC Products)
Background:	Background: Penicillinase is a specific type of β-lactamase, showing specificity for penicillin, again by hydrolyzing the beta-lactam ring. Molecular weights of the various penicillinases cluster around 50 kDa. Beta-lactamase provides antibiotic resistance by breaking the antibiotics' structure. These antibiotics all have a common element in their molecular structure: a four-atom ring known as a beta-lactam. Through hydrolysis, the lactamase enzyme breaks the β-lactam ring open, deactivating the molecule's antibacterial properties.
Gene ID:	9125732
UniProt:	P05364

Application Details

Application Notes:	Application Note: Anti-Penicillinase Peroxidase conjugated antibody has been tested by dot blot and is suitable to be assayed against 1.0 µg of Penicillinase [Enterobacter cloacae] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:20,000 to 1:100,000 of the reconstitution concentration is suggested for this product. Western Blot Dilution: 1:250 Immunoprecipitation Dilution: 1:100 Other: User Optimized
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free Preservative: 0.01 % (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of

Handling

	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. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiry Date:	12 months