



Rabbit Anti-PenA (Beta Lactamase) Polyclonal Antibody (CABT-NS1802)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	PenA (Beta Lactamase)
Source/Host	Rabbit
Species Reactivity	N/A
Conjugate	Unconjugate
Applications	ELISA
Format	Liquid. Purified
Size	100 µg
Buffer	PBS with Sodium Azide
Preservative	Sodium Azide
Storage	-20°C

BACKGROUND

Introduction	<p>Beta-lactamases, (β-lactamases) are enzymes produced by bacteria that provide multi-resistance to beta-lactam antibiotics such as penicillins, cephalosporins, cephamycins, monobactams and carbapenems (ertapenem), although carbapenems are relatively resistant to beta-lactamase. 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 (β-lactam) ring. Through hydrolysis, the enzyme lactamase breaks the β-lactam ring open, deactivating the molecule's antibacterial properties. Beta-lactam</p>
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antibiotics are typically used to target a broad spectrum of gram-positive and gram-negative bacteria.

Keywords	Beta Lactamase; β -lactamases
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