



## Rabbit Anti-beta lactamase TEM antibody

SL20056R

<b>Product Name:</b>	beta lactamase TEM
<b>Chinese Name:</b>	β内酰胺酶抗体
<b>Alias:</b>	AmpA; AmpC; Cephalosporinase.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Escherichia Coli,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	31kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human beta lactamase TEM:51-150/286
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The beta lactam antibiotics (penicillins and cephalosporins) are the most frequently used antimicrobial agents. All of the beta lactams are structurally related through the presence of a core beta lactam ring. Bacterial resistance to beta lactams continues to increase, primarily due to the production of beta lactamases. Beta lactamases catalyze the hydrolysis of the beta lactam bond, which destroys antibacterial activity. Bacteria that produce TEM type or SHV type beta lactamases have point mutations in structural

genes that have extended the substrate specificity of these beta lactamases. As a result, many of the beta lactamase producing Gram negative pathogens have become multidrug resistant.

**SWISS:**

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**Gene ID:**

3722457

**Database links:**

[Entrez Gene: 3722457](#) Escherichia coli

[SwissProt: P62593](#) Escherichia coli

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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