



## Rabbit Anti-Defensin beta 1 antibody

SL1163R

<b>Product Name:</b>	Defensin beta 1
<b>Chinese Name:</b>	防御素β1/Defensin β1抗体
<b>Alias:</b>	BD 1; BD-1; BD1; beta 1; Beta defensin 1; Beta-defensin 1; DEFB 1; DEFB1; DEFB1_HUMAN; DEFB101; Defensin; Defensin beta 1 preproprotein; HBD 1; hBD-1; HBD1; MGC51822.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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>	4.1/8kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from rat Defensin Beta 1:33-69/68
<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>	Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Members of the defensin family are highly similar in protein sequence. This gene encodes defensin, beta 1, an antimicrobial peptide implicated in the resistance of epithelial surfaces to microbial colonization. This gene maps in close proximity to defensin family member, defensin, alpha 1 and has been implicated in the pathogenesis

of cystic fibrosis. The mature form of Beta defensin 1 is 36 amino acids.

**Function:**

Has bactericidal activity.

**Subcellular Location:**

Secreted.

**Tissue Specificity:**

Plasma.

**Similarity:**

Belongs to the beta-defensin family.

**SWISS:**

O89117

**Gene ID:**

64389

**Database links:**

[Entrez Gene: 1672](#)Human

[Entrez Gene: 64389](#) Rat

[Oimim: 602056](#)Human

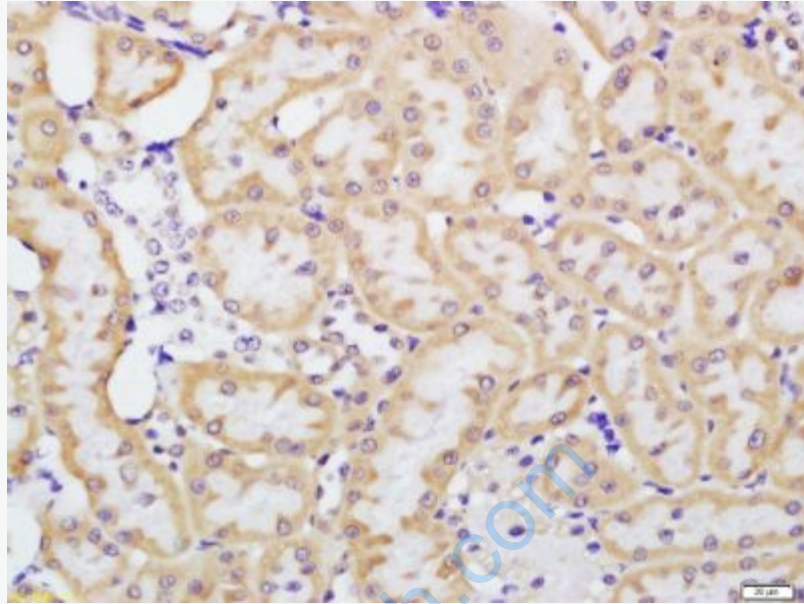
[SwissProt: P60022](#)Human

[Unigene: 32949](#)Human

**Important Note:**

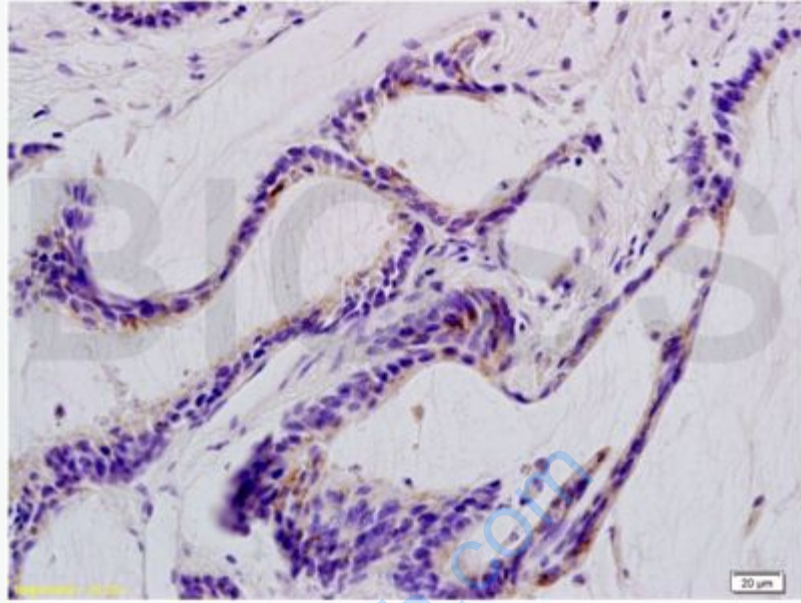
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防御素在动物体中广泛分布的, 目前已知的 $\alpha$ -防御素有6种, 研究人员从动物体的肾脏、气管、鼻粘膜与唾液中也发现了两种 $\beta$ 防御素, 在许多器官的epithelial cells与非上皮组织的细胞中发现了 $\beta$ -防御素。防御素的表达与病原体的入侵是紧密相关。



**Picture:**

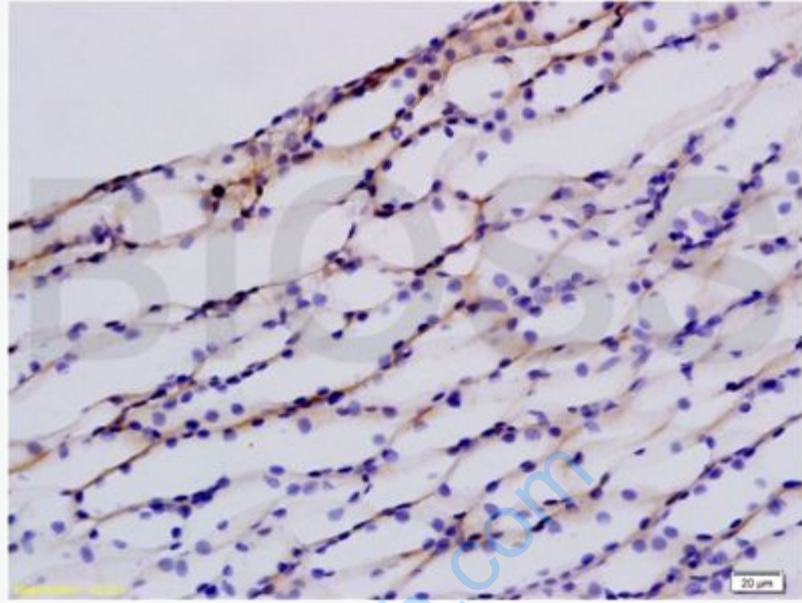
Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-beta Defensin 1 Polyclonal Antibody, Unconjugated(SL1163R) 1:400, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Defensin  $\beta$ 1 Polyclonal Antibody, Unconjugated(SL1163R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
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