



Rabbit Anti-Cecropin B antibody

SL13825R

Product Name:	Cecropin B
Chinese Name:	杀菌肽B/天蚕抗菌肽B抗体
Alias:	CECB1; CECB2; CECB BOMMO; Lepidopteran A/B.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Silk worm
Applications:	WB=1:500-2000ELISA=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.
Molecular weight:	4.1kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from Silk worm Cecropin B:27-61/63
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	Cecropins are produced by insects, particularly under conditions of infection. Cecropins are bioactive peptides that exhibit activities by interacting with membranes and forming transmembrane channels that allow the free flow of electrolytes, metabolites and water across the phospholipid bilayers. Cecropins A, B and D are close homologues consisting of 35-39 residues. They are found in the pupae of the cecropin moth, but related homologues named lepidopteran, bactericidin, moricin and sarcotoxin are produced by other insects.

Function:

Cecropins have lytic and antibacterial activity against several Gram-positive and Gram-negative bacteria.

Subcellular Location:

Secreted

Tissue Specificity:

Highest expression in fat body and hemocytes. Is also expressed in Malpighian tubules and to a much lesser extent in midgut. Not present in silk gland.

Post-translational modifications:

Lepidopteran-B differs from lepidopteran-A by its hydroxylated residue.

Similarity:

Belongs to the cecropin family.

SWISS:

P04142

Gene ID:

693028

Database links:

[Entrez Gene: 693028](#)Silk worm

[GenBank: DQ233467](#)Silk worm

[GenBank: S60579](#)Silk worm

[GenBank: S74297](#)Silk worm

[SwissProt: P04142](#)Silk worm

[Unigene: Bmo.151](#)Silk worm

Important Note:

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