SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Cecropin-A antibody

Catalog Number: SL2232R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Cecropin-A
Immunogen:	KLH conjugated synthetic peptide derived from Hyalophora cecropia: 1-37/41
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Hyalophora cecroa,Silkworm)
Predicted MW.:	4.6kDa
Subcellular Location:	Secretory protein
Background:	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 lepodopteran, bactericidin, moricin and sarcotoxin are produced by other insects. **Subcellular Location:** Secreted **Database links:** GenBank: AAP93872.1 Cecropin antimicrobial peptides, also known as cecropins, possess

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	antibacterial, antiviral, and anti-tumour activities. Because of their good water solubility and high-temperature resistance, they are relatively ideal antibiotic substitutes; in particular, their main antibacterial mechanism can disrupt the stability of The cell membrane, making it difficult for resistance to develop. Antimicrobial peptides are generally small peptides that can be completely digested by animals, so there is no issue of residues. Therefore, whether used as feed additives, veterinary drugs, or human drugs, antimicrobial peptides have theoretical research value and practical significance in production.

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