

## Anti-CECROPIN B (RABBIT) Antibody - 100-401-242

**Code:** 100-401-242

**Size:** 100 µg

**Product Description:** Anti-CECROPIN B (RABBIT) Antibody - 100-401-242

**Concentration:** 0.33mg/mL

**PhysicalState:** Liquid (sterile filtered)

<b>Label</b>	Unconjugated
<b>Host</b>	Rabbit
<b>Gene Name</b>	CECB1 and CECB2
<b>Species Reactivity</b>	Silkworm
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Stabilizer</b>	50% (v/v) Glycerol
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage Condition</b>	Store antibody at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
<b>Synonyms</b>	rabbit anti-Cecropin B Antibody, Cecropin-B, Lepidopteran-A/B, CECB1 and CECB2
<b>Application Note</b>	Anti-cecropin B is useful for the detection of cecropin B in various immunological assays. This reagent has specific value for the study of cecropins in transgenic plants. The antibody may also recognize naturally occurring cecropin A. Cecropin B has been modified in some instances by substituting a single amino acid to render the molecule less susceptible to proteolytic cleavage.
<b>Background</b>	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.
<b>Purity And Specificity</b>	This product was prepared from monospecific antiserum by immunoaffinity chromatography using cecropin B coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum and purified and partially purified cecropin B. Reactivity against other forms of cecropins has not yet been determined.
<b>Assay Dilutions</b>	User Optimized
<b>ELISA</b>	1:5,000 - 1:20,000
<b>Western Blot</b>	1:500 - 1:5,000
<b>Other Assays</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic full-length cecropin B corresponding to a modified sequence from that which is found in silkworm: Lys-Trp-Lys-Val-Phe-Lys-Lys-Ile-Glu-Lys-Val-Gly-Arg-Asn-Ile-Arg-Asn-Gly-Ile-Val-Lys-Ala-Gly-Pro-Ala-Ile-Ala-Val-Leu-Gly-Glu-Ala-Lys-Ala-Leu.

**Related Products**

610-4302	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B304	NORMAL GOAT SERUM (NGS) - B304
B501-0500	BLOTTO Immunoanalytical Grade (Non-Fat Dry Milk) - B501-0500

**Related Links**

UniProtKB - P04142

<http://www.uniprot.org/uniprot/P04142>

NCBI -  
BAA04990.1

<http://www.ncbi.nlm.nih.gov/protein/BAA04990.1>

GeneID - 693028

### **Disclaimer**

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