

Product Datasheet

Cecropin B Antibody - BSA Free

NB600-867

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB600-867

Cecropin B Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	Serum
Purity	Immunogen affinity purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 50% (v/v) Glycerol
Product Description	
Description	<p>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</p> <p>Store antibody at -20C prior to opening. Aliquot contents and freeze at -20C 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 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Rabbit
Species	Silkworm
Reactivity Notes	Reactivity against other forms of cecropins has not yet been determined.
Specificity/Sensitivity	Reactivity against other forms of cecropins has not yet been determined.
Immunogen	This affinity purified Cecropin B 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. (Uniprot: P04142)
Product Application Details	
Applications	Western Blot, ELISA, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:5000, ELISA 1:5000-1:20000, Immunoprecipitation 1:100
Application Notes	This product 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.



Publications

Lee SJ, Yu JS, Parker BL et al. Production of antibacterial *Bombyx mori* cecropin A in mealworm-pathogenic *Beauveria bassiana* ERL1170. J. Ind. Microbiol. Biotechnol. 2015-01-01 [PMID: 25429897] (WB, Silkworm)

Details:

Cecropin B antibody used in WB for the detection of cecropin A expression - secreted from the mycelia of the transformants D-6 of mealworm-pathogenic *Beauveria bassiana* ERL1170 (expressing *Bombyx mori* cecropin A). WB data of cecropin A along with RT-PCR and SDS-PAGE results is shown in Fig 2 of this article.





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Products Related to NB600-867

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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