

Product datasheet for R1531P

LOC101739536 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	Anti-cecropin B is useful for the detection of cecropin B in various immunological assays. This reagent has specific value to study 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. This reagent is suitable for the detection of cecropin B in Immunoblotting (1:1000), Immunoprecipitation and ELISA experiments. A single 4400 dalton band is detected in protein extracts.
Reactivity:	Silk Worm
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	This whole rabbit serum was prepared by repeated immunizations with a synthetically produced fulllength 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
Specificity:	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.
Formulation:	0.01 M Potassium Phosphate, 0.075 M Sodium Chloride, pH 7.2 with 50% (v/v) Glycerol as stabilizer and 0.01% (w/v) Sodium Azide as preservative State: Aff - Purified State: Liquid (sterile filtered) purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity chromatography
Conjugation:	Unconjugated



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Storage:	Store vial at -20°C prior to opening. For extended storage aliquot contents and freeze at or below -20°C. Centrifuge product if not completely clear after standing at room temperature. This product is stable for one month at 2-8°C as an undiluted liquid. Dilute only prior to immediate use. Avoid cycles of freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	P04142
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 lepidopteran, bactericidin, moricin and sarcotoxin are produced by other insects.
Synonyms:	CECB1, Lepidopteran-A/B