
Cecropin-A Antibody Blocking Peptide

Catalog Number: bs-2080P

Activity: Not tested

Purification: HPLC

Storage: Shipped at 4°C. Stored at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Cecropins are antimicrobial peptides. They were first isolated from the hemolymph of *Hyalophora cecropia*, from whence the term cecropin was derived. Cecropins lyse bacterial cell membranes; they also inhibit proline uptake and cause leaky membranes. Cecropins constitute a main part of the cell-free immunity of insects. Cecropins are small proteins of about 31 - 37 amino acid residues active against both Gram-positive and Gram-negative bacteria. Cecropins isolated from insects other than *Hyalophora cecropia* (*Cecropia* moth) have been given various names; bactericidin, lepidopteran, sarcotoxin, etc. All of these peptides are structurally related. Cecropin P1, an intestinal antibacterial peptide from *Sus scrofa* (Pig), also belongs to this family. Cecropin family also consists Cecropin A and Cecropin B.