

Purification and Partial Characterization of Storage Protein-like Protein from the Pupal Hemolymph of the Chinese Oak Silkworm, *Antheraea pernyi*

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A storage protein-like protein was purified from hemolymph of the chinese oak silkworm, *Antheraea pernyi*. The protein was shown to be homogeneous by native-PAGE, and defined as the hemolymph protein without sex specificity. Also the protein was degraded by exposure at the temperature over 90°C *in vitro*. From PAS and SBB staining, it is defined as a glycoprotein. The antiserum against the purified protein was prepared. Common antigens to the anti body prepared was observed in the hemolymph proteins of the 3rd, 4th, 5th, instar larvae, pupa and the egg respectively. In the adult hemolymph, the presence of the common antigens to the antibody prepared was observed only in the female hemolymph. The proteins extracts of integument, fat body and midgut were crossreacted with the antibody prepared, but in the silk gland, no crossreactivity was observed.