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Electrophoretic Aspects of Blood-Serum Proteins of Apodemus mystacinus and Apodemus agrarius (Mammalia: Rodentia) in Turkey

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Abstract: In this study, globulin and albumin proteins of *Apodemus mystacinus* and *Apodemus agrarius* were examined using the SDS-PAGE (sodium dodecyl sulphate-polyacrylamide gel electrophoresis) technique. In *A. mystacinus*, there were 7-8 bands in the globulin region and 2-3 bands in the prealbumin zone. It was determined that there were variations in both the globulin region and prealbumin zone in populations of *A. mystacinus*. In specimens of *A. agrarius*, nine bands appeared in the globulin region, and two bands were observed in the prealbumin zone. These findings showed that *A. mystacinus* differs from *A. agrarius* in respect to electrophoretic aspects of albumin and globulin proteins.

Key Words: *Apodemus mystacinus*, *Apodemus agrarius*, albumin, globulin, SDS-PAGE.

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