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Electron immunohistochemical analysis of localization of neutral Mn2+-dependent DNAase. II. Analysis of ultrastructural localization in epon sections of different organs of the rat | Elektronnoe immunogistokhimicheskoe izuchenie lokalizatsii neitral'noi Mn2+-zavisimoi DNKazy. II. Ul'trastrukturnaia lokalizatsiia DNKazy na éponovykh srezakh razlichnykh organov krysy.

Abramova Z., Vinter V.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

The use of a conjugate of colloidal gold with monotypic antibodies against a neutral Mn(2+)-dependent DNAse has revealed the enzyme localization in ultrathin Epon sections of glutaraldehyde fixed tissues. Technical procedures involved in fixation, embedding, and immune reactions are described. DNAse has been established in the nuclei in both normal and regenerating liver. A protein, immunologically close to DNAse, has been identified in the nuclei of a lymph node, thymus, spleen and cerebellar cortex.