

Tsitologiya 2000 vol.42 N7, pages 688-695

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.

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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.
