

Impact and intracellular localization of antibodies to DNA in MDCK cells

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Abstract

A study was performed with liquid chromatography of highly purified antibodies to DNA of IgG from blood serum of healthy donors-SLE or RA patients and their clinically healthy relatives. It was shown that, depending on the pathology, these antibodies were distinguished by DNA-hydrolyzing activity. These antibodies were incubated with MDCK cells. It was found that they were mostly localized in the vicinity of the nucleus and affected the cellular morphology, number of viable cells, and chromatin of MDCK cells differently. The biological role of antibodies to DNA is discussed. © 2013 Pleiades Publishing, Ltd.

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Keywords

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