

依赖于DNA的RNA聚合的研究VI.白血病615和正常615小鼠肝细胞的RNA聚合酶B免疫学特性比较研究

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摘要 本文比较了白血病615(L615)和正常615小鼠肝细胞RNA聚合酶B的免疫学特性。在免疫扩散实验中,抗615B酶抗血清和抗L615B酶抗血清分别对615B酶和L615B酶的离体转录活性有明显抑制作用,但两种抗血 分别对对其对应的酶抑制作用强。用抗615B酶抗血清的IgG分别与两种B酶进行免疫沉淀反应,它们的沉淀物凝胶电泳图谱显示能发生特异性结合反应。IgG与615B酶的沉淀物电泳图中存在着一明显的条带,而这一条带在I与L615B酶的沉淀物电泳图中却消失了。

关键词

分类号

Studies on DNA-Dependent RNA Polymerases VI. Comparison of Immunological Properties Between L615 and 615 Mouse Liver DNA Polymerase B

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Abstract

We have compared the immunological properties of RNA polymerase B from 615 and L615 mouse livers in double immunodiffusion test. A striking precipitation line were formed when the antiserum against 615 RNA polymerase B reacted with 615 mouse RNA polymerase B, but only a weak one appeared on its reacting with L615 mouse RNA polymerase B. In other cases, the strong precipitation lines were found when antiserum against L615 mouse RNA polymerase B reacted with both 615, L615 mouse RNA polymerase B. The two sources of antisera can strongly inhibit transcriptive activities of 615 and L615 mouse RNA polymerase B in vitro respectively. The antiserum against 615 enzyme B had a greater inhibition over 615 RNA polymerase B activity than L615 RNA polymerase B in transcription in vitro, whereas, the inhibitory effect of the antiserum against L615 enzyme B with L615 RNA polymerase B was stronger than with 615 enzyme B.

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