

## 兔核移植胚胎蛋白质变化的电泳分析

刘林, 安民, 朱金宝, 陈永福, 戴蕴平, 孙拓, 张忠诚

北京农业大学动物科技学院; 北京 100094

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**摘要** 采用SDS-聚丙烯酰胺凝胶电泳及银染法,对兔核移植胚胎蛋白质合成类型的变化进行了研究。结果表明,“原核”期核移植胚胎中有几种蛋白质与核供体桑椹胚及受体卵母细胞的蛋白质类型明显不同,与同期受精卵中蛋白质类型相似,但在某些带上也有质或量的差别。结果提示,供体核基因表达被卵母细胞质所重排,但并非很完全。本文还对提高兔核移植胚胎发育能力可能的途径进行了讨论。

**关键词** [兔](#) [桑椹胚](#) [核移植](#) [蛋白质类型](#)

分类号

## Electrophoretic Analysis of the Protein Patterns of the Nuclear Transplant Rabbit Embryos

Liu Lin, An Min, Zhu Jinbao, Chen Yongfu, Dai Yunping, Sun Tuao, Zhang Zhongcheng

(College of Animal Science and Technology, Beijing Agricultural University, Beijing 100094)

### Abstract

The qualitative patterns of protein synthesis in nuclear transplant rabbit embryos were examined by SDS-polyacrylamide gel electrophoresis followed by silver staining. The results indicated that the qualitative pattern of several protein synthesis in NT embryos was very different from the protein pattern of donor morulae or recipient oocytes, and also not as the same as the protein pattern obtained from fertilized ova at pronuclear formation stage. After fertilization or nuclear transfer, several maternal proteins were no longer synthesized or decreased in the embryo, and some new bands were observed and several protein synthesis were increased obviously. The most intriguing aspect of this study was the observation that all major changes in the protein pattern took place after fertilization or nuclear transfer and were rather similar. It is suggested that the gene activities of the donor nucleus from rabbit morulas are reprogramming is incomplete. This paper stresses on the paternal effect during fertilization on gene expression in nuclear transplant rabbit embryos

**Key words** [Rabbit](#) [Morulae](#) [Nuclear transfer](#) [Protein](#)

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