

## 小鼠子宫内膜LIF基因表达与雌、孕激素的关系

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收稿日期 修回日期 网络版发布日期 接受日期

**摘要** 白血病抑制因子(LIF)是一种多功能活性的糖蛋白, LIF基因在大多数妊娠第4天的小鼠子宫内膜进行着强烈的表达, 然而LIF基因表达调控的机制目前尚不清楚。本实验对168只妊娠第4~5天的小鼠LIF基因表达和血清中雌、孕激素水平分别进行了检测, 发现18只小鼠无LIF基因表达, 其血清中雌、孕激素水平分别极显著( $P < 0.01$ )和显著( $0.01 < P < 0.05$ )低于其他表达的小鼠。提示: 雌、孕激素对小鼠LIF基因表达过程中起着一定的作用, 将为LIF基因表达调控机制的深入研究打下基础。

**关键词** [小鼠](#) [白血病抑制因子](#) [基因表达](#) [孕酮](#) [雌二醇](#)

分类号

## Relationship of Expression of Leukemia Inhibitory Factor Gene with Progesterone and Estradiol in Mouse Endometrium

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### Abstract

Leukemia inhibitory factor(LIF) is a glycoprotein with multiple activities,it expresses violently in most mice endometrium on 4 ~5 day of pregnancy,however the mechanism of LIF gene expression was not known completely.LIF gene expression was examined in endometrium of 168 mice and the concentrations of progesterone and estradiol were measured in their serum on 4~5 day.The expression of LIF gene was totally absent in 18 mice,and their concentrations of progesterone and estradiol in serum were significantly lower than the others.We discussed the relation between the expression of LIF gene with the concentration of two hormones.It was showed that the expression of LIF gene might be partly controlled by progesterone and estradiol.

**Key words** [mouse](#) [leukemia inhibitory factor](#) [gene expression](#) [progesterone](#) [estradiol](#)

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