

综述

Activin及其受体与相关的妇产科疾病

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摘要:

激活素(activin, ACT)是转化生长因子 β (TGF- β)超家族球蛋白成员,是抑制素 β 亚基的二聚体,其受体为膜受体,activin通过其受体系统的信号传导发挥其生物学功能。近年来,许多研究表明activin具有广泛的生物学活性,是调节组织细胞功能的基本介质,参与维持细胞正常功能,并在卵巢上皮性肿瘤、子宫内膜癌、子痫前期、多囊卵巢综合征、子宫内膜异位症等多种妇产科疾病组织中表达异常,影响着这些疾病的发生发展。

关键词: activin activin受体 妇产科疾病

Activin and activin receptors in related gynecologic and obstetric diseases

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Abstract:

Activin is a member of the transforming growth factor- β (TGF- β) superfamily that result from the assembly of disulphide-linked β A and β B subunits. Activin receptors are transmembrane proteins and activin fulfils the biological function through the signal transduction of the receptor system. In recent years, many studies have suggested that activins have wide biological activities. It is the basic medium in regulating histiocytic function and plays a role in maintaining the normal function of cells. Moreover, abnormal expression of activin in the tissues of many gynecologic and obstetric diseases, such as epithelial ovarian tumor, endometrial carcinoma, pre-eclampsia, polycystic ovary syndrome, endometriosis and so on affects the development of these diseases.

Keywords: activin;activin receptors;gynecologic and obstetric diseases

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