

论文

神经生长因子NGF及其受体TrkA在雌性水牛生殖器官的表达定位

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摘要:

为研究神经生长因子NGF及其受体TrkA在广西雌性水牛生殖器官中表达定位情况,运用免疫组织化学ABC法对处于发情周期不同阶段(卵泡期、黄体期)成年水牛的卵巢、子宫、输卵管NGF、TrkA分别进行染色定位。结果表明: NGF / TrkA阳性细胞在卵巢主要见于卵泡内膜细胞、颗粒细胞及黄体细胞;在子宫主要见于子宫内膜上皮细胞、腺体细胞;在输卵管主要见于输卵管的柱状上皮纤毛细胞。不同阶段NGF、TrkA的表达量也有所差异,卵巢中NGF、TrkA的表达量在卵泡期与黄体期相比没有显著差异;子宫中卵泡期NGF的表达量高于黄体期,TrkA的表达量在卵泡期与黄体期相比没有明显差异;输卵管中卵泡期NGF、TrkA的表达量均高于相应黄体期。

关键词: 神经生长因子 TrkA 水牛 生殖器官 定位表达

Immunohistochemical Localization of Nerve Growth Factor and Its Receptors Tyrosine Kinase A on the Genital in Female Buffalo

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Abstract:

The distribution and localization of the Nerve Growth Factor(NGF)and its Receptors Tyrosine Kinase A (TrkA) in the genital of female buffalo were studied. The localization of NGF and TrkA in adult buffalo ovaries, uterus and oviduct during the follicular phase and the luteal phase were determined by immunohistochemical ABC techniques. The results showed that NGF/TrkA immunoreactive substance was mainly distributed in the thecal cells and granulose cells in the ovary, the endometrial epithelial cells and glandular cells in uterus, the ciliated columnar epithelial cells in the oviduct. The expression of NGF and TrkA depended on the stage of the estrus cycles, with the estrus being different, NGF/TrkA expression was also different, the expression of NGF and TrkA in ovarian had no significant differences; the expression of NGF in uterus was higher during the follicle phase than during the luteal phase, and the expression of TrkA in uterus had no significant differences; the expression of NGF and TrkA in oviduct was higher during the follicle phase than that during the luteal phase.

Keywords: NGF; TrkA; buffalo; genital; immunohistochemistry

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