

兽医—研究报告

极北鲵与东北小鲵消化道嗜银细胞的比较

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摘要: 摘要: 应用Grimelius法对极北鲵(Salamandrella keyserlingii)、东北小鲵(Hynobius leechii)两种动物消化道嗜银细胞的分布密度及形态进行了比较研究。结果显示: 嗜银细胞在两种动物消化道各部分均有分布, 但分布密度高峰不同: 极北鲵消化道嗜银细胞在直肠部分布密度最高, 胃体处最低; 而东北小鲵在胃幽门部分布密度最高, 在食管处最低。其形态和分布位置相似, 嗜银细胞形态有圆形、椭圆形、锥体形和梭形等, 分布于腺泡上皮细胞之间、上皮细胞之间和上皮细胞基部, 也有少量位于固有膜内。嗜银细胞分布型的形成与动物的食性、生活环境以及消化道各部位生理功能有关。

关键词: 关键词: 极北鲵 东北小鲵 消化道 嗜银细胞

Comparison of argyrophil cells in Digestive Tract of Salamandrella keyserlingii and Hynobius leechii

Abstract: Abstract: Using the silver niterate method of grimelius to study the distributed density and morphology of argyrophil cells in the digestive tract of Salamandrella keyserlingii and Hynobius leechii. The results shows : The argyrophil cells could be found throughout the digestive tract of two kinds animals, but the highest density appears differently in digestive tracts of two animals: the distributed density of argyrophil cells in digestive tract of Salamandrella keyserlingii is the highest in rectum and the lowest in stomach ,but the distributed density of argyrophil cells in digestive tract of Hynobius leechii is the highest in pylorica and the lowest in oesophagus. The shapes of argyrophil cells about Salamandrella keyserlingii and Hynobius leechii are similar and the same situation to the distribution: The shape of argyrophil cells is round, ellipse, tapering, shuttle and so on. The argyrophil cells distribute between glandular epithelial cells, between epithelial cells and at the basal region of epithelial cells, but a few in the lamina propria. The origin of distributive mode of argyrophil cells in the digestive tract of Salamandrella keyserlingii and Hynobius Leechii is related to feeding habit, living environment and physiological function in different regions of digestive tracts.

Keywords: Key words: Salamandrella keyserlingii Hynobius leechii Digestive tract Argyrophil cell

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