

研究業績 英文表記

和文	
表題	齧歯類の舌組織における味蕾の分布及び部位別の味細胞の増殖能 —HE 染色標本と PCR 法および免疫組織化学的解析を用いた検討—
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英文	
Title	Morphological and proliferative characteristics of rodent taste cells in different tongue regions
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Abstract	Taste sensation is necessary to avoid the invasion of harmful food into our body, and useful for the selection of food intake depending on the requirement. It is expected that the ability of taste sensation is different among the regions in tongue, however, the molecular mechanisms have not been determined yet. In this study, we evaluated the distribution of taste buds in rat tongue. Circumferential papilla has a few of taste buds in lateral side of epithelium. Leaf papilla has large number of taste buds in the epithelium. Mushroom papilla has the single taste buds in upper side. The distribution of taste buds is quite different depending on the tongue regions. We also analyzed the proliferative properties of taste cells in mouse freezing tongue sections by an immunohistochemical method. Many of Ki67-positive proliferating cells were observed in the taste buds. These results indicate that the composition of taste cells in the taste buds is dynamically change on the time point. Thus, these might contribute to the sensitivities of taste sensation.
keyword	taste, taste cell, taste buds, proliferation, immunohistochemistry

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