



国际口腔医学杂志 » 2010, Vol. 37 » Issue (02) : 174-174~177 DOI: 10.3969/j.issn.1673-5749.2010.

综述

最新目录 | 下期目录 | 过刊浏览 | 高级检索

<< ◀ 前一篇 | 后一篇 ▶ >>

### 三叉神经痛和P<sub>2</sub>X受体的研究进展

刘安东, 雷洁综述 王元银, 周健审校

安徽医科大学附属口腔医院口腔颌面外科 安徽 合肥 230032

### Research progress of trigeminal neuralgia and P<sub>2</sub>X receptors

LIU An -dong, LEI Jie, WANG Yuan-yin, ZHOU Jian

Dept. of Oral and Maxillofacial Surgery, College of Stomatology, The Affiliated H

摘要

参考文献

相关文章

Download: [PDF \(144KB\)](#) [HTML 0KB](#) Export: [BibTeX](#) or [EndNote \(RIS\)](#) [Supporting Info](#)

摘要 多种伤害性刺激均可引起细胞内腺苷三磷酸(ATP)的释放, ATP可激活P<sub>2</sub>X和P<sub>2</sub>Y受体, 引起相应的生物学效应。P<sub>2</sub>X和P<sub>2</sub>Y受体均属于P<sub>2</sub>受体家族, 其中P<sub>2</sub>X受体为配体门控非选择性阳离子通道受体, 允许钠、钙、钾等阳离子通过。P<sub>2</sub>Y受体属于G-蛋白耦联受体。三叉神经节中含有大量与外周痛觉传导有关的中小型神经细胞, P<sub>2</sub>X受体在三叉神经节的痛觉传导过程中起至关重要的作用。下面就三叉神经痛以及P<sub>2</sub>X受体的结构、分布、生物学特性等研究进展作一综述。

关键词: 三磷酸腺苷 P<sub>2</sub>X受体 配体门控离子通道 三叉神经节

Abstract: A variety of noxious stimulation can cause adenosine triphosphate (ATP) release from the cells. ATP can create correlative biological effect via P<sub>2</sub>X and P<sub>2</sub>Y receptors. Both of P<sub>2</sub>X and P<sub>2</sub>Y receptors are belonged to the P<sub>2</sub> receptor family. The P<sub>2</sub>X receptors are non-selective cation channel receptors which can permit positive ion, such as Na<sup>+</sup>, Ca<sup>2+</sup> and K<sup>+</sup>, to pass. P<sub>2</sub>Y receptors are a kind of G-protein-coupled receptors. Peripheral pain usually occurs in the most of middle and small neurons of the conduction of the trigeminal ganglion. Here, the recent developments of P<sub>2</sub>X receptors' structure, distribution and biological character of trigeminal ganglion neurons were reviewed.

Keywords:

Received 2009-06-13;

Corresponding Authors: 王元银

引用本文:

刘安东, 雷洁综述 王元银, 周健审校.三叉神经痛和P<sub>2</sub>X受体的研究进展[J] 国际口腔医学杂志, 2010,V37(02): 174-174~177

LIU An -dong, LEI Jie, WANG Yuan-yin, ZHOU Jian.Research progress of trigeminal neuralgia and P<sub>2</sub>X receptors[J] , 2010,V37(02): 174-174~177

#### Service

- ▶ 把本文推荐给朋友
- ▶ 加入我的书架
- ▶ 加入引用管理器
- ▶ Email Alert
- ▶ RSS

#### 作者相关文章

- ▶ 刘安东
- ▶ 雷洁综述 王元银
- ▶ 周健审校