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... in esophageal mucosa of patients with non-erosive and erosive reflux disease. ... 4

Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 24955

Manuscript Type: ORIGINAL ARTICLE

### Basic Study

Transient receptor potential vanilloid 4-dependent calcium influx and ATP release in mouse and rat gastric epithelia

Mihara H *et al.* TRPV4 in gastric epithelium

Hiroshi Mihara, Nobuhiro Suzuki, Ammar Boudaka, Jibran Sualeh Muhammad, Makoto Tominaga, Yoshiaki Tabuchi, Toshiro Sugiyama

### Abstract

AIM: Various stimuli activate the non-selective cation channel TRPV4, which is expressed in esophageal epithelium where it detects mechanical stimuli and promotes ATP release.

### Match Overview

1	<b>CrossCheck</b> 39 words Yamawaki, H., H. Mihara, N. Suzuki, H. Nishizono, K. Uchida, S. Watanabe, M. Tominaga, and T. Sugiyama. "Role	1%
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The TRPV4 channel

[A Garcia-Elias, S Mrkonjić, C Jung... - ... Transient Receptor ...](#), 2014 - Springer... Y, Brauer R, Schaible HG (2013) Neuronal IL-17 **receptor** upregulates TRPV4 but not TRPV1 **receptors** in DRG ... M (2007) Effects of body temperature on neural activity in the hippocampus: regulation of resting membrane **potentials** by **transient receptor potential vanilloid 4**. J ...

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[HTML] Role of **transient receptor potential** and acid-sensing ion channels in peripheral inflammatory pain[JPM White, M Cibelli... - The Journal of ...](#), 2010 - [anesthesiology.pubs.asahq.org](#)... nature, have a defined mechanism of action and, hence, are **potentially** important targets ... ion channel; C = C terminus; N = N terminus; TRPV1 = **transient receptor potential vanilloid** type 1 ... increase TRPV1 responses through their respective EP1 or IP **receptors**, predominantly in ...

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The emerging role of TRP channels in mechanisms of temperature and pain sensation

[GM Story - Current neuropharmacology](#), 2006 - [ingentaconnect.com](#)... identified TRPV1 (**Transient Receptor** Po- tential ion channel **Vanilloid** 1, formerly VR1). ... For example, upon specific activation of the endothelin-B **receptor**,  $\beta$ -endorphin is **released** from cultured ... which could then affect pain sig- naling via binding to  $\mu$ -opioid **receptors** on sensory ...

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[Trpv4 transient receptor potential cation channel, subfamily ...](#)

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2016年4月23日 - AQP4 drives calcium influx via TRPV4 in the glial end foot, which regulates ... cell swelling and osmotically induced TRPV4 signaling in an age-dependent manner. ... Data indicate that transient receptor potential vanilloid 4 (TRPV4) ... Results show that TRPV4 activation in the intestinal epithelium caused ...