## Accepted Manuscript

Title: KCa1.1 is potential marker for distinguishing Ah-type baroreceptor neurons in NTS and contributes to sex-specific presynaptic neurotransmission in baroreflex afferent pathway

Author: Yu-Yao Zhang Zhen-Yu Yan Mei-Yu Qu Xin-Jing Guo Guo Li Xiao-Long Lu Yang Liu Tao Ban Hong-Li Sun Guo-Fen Qiao Bai-Yan Li

PII: S0304-3940(15)30043-4

DOI: http://dx.doi.org/doi:10.1016/j.neulet.2015.07.023

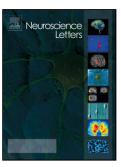
Reference: NSL 31446

To appear in: Neuroscience Letters

Received date: 3-5-2015 Revised date: 18-7-2015 Accepted date: 20-7-2015

Please cite this article as: Y.-Y. Zhang, Z.-Y. Yan, M.-Y. Qu, X.-J. Guo, G. Li, X.-L. Lu, Y. Liu, T. Ban, H.-L. Sun, G.-F. Qiao, B.-Y. Li, KCa1.1 is potential marker for distinguishing Ah-type baroreceptor neurons in NTS and contributes to sex-specific presynaptic neurotransmission in baroreflex afferent pathway, *Neuroscience Letters* (2015), http://dx.doi.org/10.1016/j.neulet.2015.07.023

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



## ACCEPTED MANUSCRIPT

### Highlights:

- 1. KCa1.1 mediates the afferent-specific neurotransmission in NTS in both male and female rats
- 2. Increased glutamate release is seen in C- not A-type afferents by blocking KCa1.1 in male rats
- 3. ~50% capsaicin-insensitive afferents are myelinated Ah-type BRNs in NTS in female rats
- 4. C-like KCa1.1-mediated glutamate release can also be seen in Ah-type BRNs in female TNS
- KCa1.1 Functional expression is a potential maker for identifying Ah- from A-type afferent in NTS

#### Download English Version:

# https://daneshyari.com/en/article/6280386

Download Persian Version:

https://daneshyari.com/article/6280386

Daneshyari.com