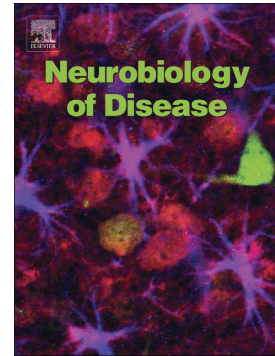


Accepted Manuscript

Inactivation of Magel2 suppresses oxytocin neurons through synaptic excitation-inhibition imbalance

Tayfun Ates, Merve Oncul, Pelin Dilsiz, Iskalen Cansu Topcu, Cihan Civan Civas, Muhammed Ikbal Alp, Iltan Aklan, Edanur Ates Oz, Yavuz Yavuz, Bayram Yilmaz, Nilufer Sayar Atasoy, Deniz Atasoy



PII: S0969-9961(18)30395-4
DOI: doi:[10.1016/j.nbd.2018.09.017](https://doi.org/10.1016/j.nbd.2018.09.017)
Reference: YNBDI 4284
To appear in: *Neurobiology of Disease*
Received date: 3 August 2018
Revised date: 3 September 2018
Accepted date: 17 September 2018

Please cite this article as: Tayfun Ates, Merve Oncul, Pelin Dilsiz, Iskalen Cansu Topcu, Cihan Civan Civas, Muhammed Ikbal Alp, Iltan Aklan, Edanur Ates Oz, Yavuz Yavuz, Bayram Yilmaz, Nilufer Sayar Atasoy, Deniz Atasoy , Inactivation of Magel2 suppresses oxytocin neurons through synaptic excitation-inhibition imbalance. *Ynbdi* (2018), doi:[10.1016/j.nbd.2018.09.017](https://doi.org/10.1016/j.nbd.2018.09.017)

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.

Inactivation of *Mage12* suppresses oxytocin neurons through synaptic excitation-inhibition imbalance

“Oxytocin pathway suppression in *Mage12* deficient mice”

Tayfun Ates ^{1,‡}, Merve Oncul ^{1,‡}, Pelin Dilsiz ¹, Iskalen Cansu Topcu ², Cihan Civan Civas ², Muhammed Ikbal Alp ¹, Iltan Aklan ², Edanur Ates Oz ¹, Yavuz Yavuz ², Bayram Yilmaz ², Nilufer Sayar Atasoy ¹, Deniz Atasoy ^{*,1,a}

¹ Department of Physiology, School of Medicine, Regenerative and Restorative Medical Research Center (REMER), Istanbul Medipol University, Istanbul, Turkey

² Department of Physiology, School of Medicine, Yeditepe University, Istanbul, Turkey

^a Present address: Department of Pharmacology, Roy J. and Lucille A. Carver College of Medicine, University of Iowa, Iowa City, Iowa

* To whom correspondence should be addressed.

‡These authors contributed equally to this work

Email: datasoy@medipol.edu.tr

Address: Istanbul Medipol University, School of Medicine, REMER, Ekinciler Cd. No 19 Beykoz Istanbul Turkey

Phone: +90 444 8544 (5437)

Fax: +90 212 531 75 55

Keywords: Prader Willi Syndrome; autism; *magel2*; oxytocin; AMPA; NMDA; electrophysiology

Download English Version:

<https://daneshyari.com/en/article/10215523>

Download Persian Version:

<https://daneshyari.com/article/10215523>

[Daneshyari.com](https://daneshyari.com)