

Accepted Manuscript

A microtubule-associated protein MAP1B binds to and regulates localization of a calcium-binding protein ALG-2

Terunao Takahara, Yumika Arai, Yuta Kono, Hideki Shibata, Masatoshi Maki



PII: S0006-291X(18)30271-7

DOI: [10.1016/j.bbrc.2018.02.048](https://doi.org/10.1016/j.bbrc.2018.02.048)

Reference: YBBRC 39413

To appear in: *Biochemical and Biophysical Research Communications*

Received Date: 30 January 2018

Accepted Date: 5 February 2018

Please cite this article as: T. Takahara, Y. Arai, Y. Kono, H. Shibata, M. Maki, A microtubule-associated protein MAP1B binds to and regulates localization of a calcium-binding protein ALG-2, *Biochemical and Biophysical Research Communications* (2018), doi: 10.1016/j.bbrc.2018.02.048.

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.

A microtubule-associated protein MAP1B binds to and regulates localization of a calcium-binding protein ALG-2

Terunao Takahara*, Yumika Arai, Yuta Kono, Hideki Shibata, and Masatoshi Maki*

Department of Applied Molecular Biosciences, Graduate School of Bioagricultural Sciences, Nagoya University, Furo-cho, Chikusa-ku, Nagoya, Aichi, Japan 464-8601

*Corresponding author: Department of Applied Molecular Biosciences, Graduate School of Bioagricultural Sciences, Nagoya University, Furo-cho, Chikusa-ku, Nagoya, Aichi, Japan 464-8601

E-mail addresses: takahara@agr.nagoya-u.ac.jp (T. Takahara), mmaki@agr.nagoya-u.ac.jp (M. Maki).

Abstract

MAP1B (microtubule-associated protein 1B) binds to microtubules and regulates microtubule dynamics.

Previously, we showed calcium-dependent interaction between MAP1B and a calcium-binding protein ALG-2 (apoptosis-linked gene 2), which is involved in regulation of the protein secretion pathway.

Although ALG-2 generally binds to proteins through two consensus binding motifs such as ABM-1 and

Download English Version:

<https://daneshyari.com/en/article/8293919>

Download Persian Version:

<https://daneshyari.com/article/8293919>

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