#### Intermolecular steric inhibition of Ephexin4 is relieved by Elmo1

Kwanhyeong Kim<sup>1,2</sup>, Juyeon Lee<sup>1, 2</sup>, Sang-Ah Lee<sup>1</sup>, Hyunji Moon<sup>1,2</sup>, Boyeon Park<sup>1</sup>, Deokhwan Kim<sup>1</sup>, Young-Eun Joo<sup>3</sup>, Daeho Park<sup>1, 2, 4</sup>

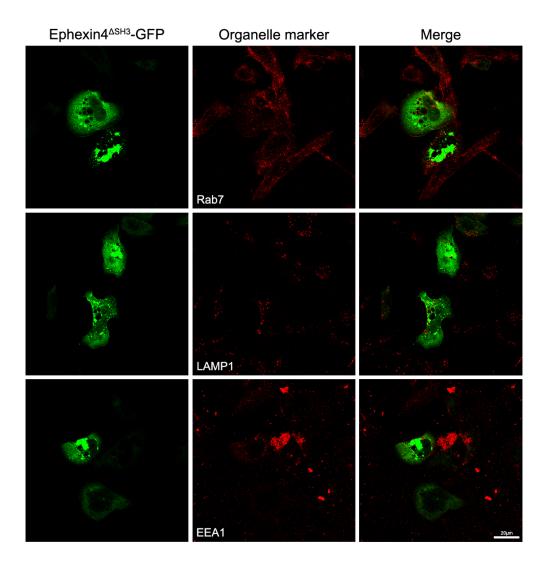
- 1. School of Life Sciences and Aging Research Institute, Gwangju Institute of Science and Technology, Gwangju 61005, Korea
- 2. Research Center for Cellular Homeostasis, Ewha Womans University, Seoul 03760, Korea
- 3. Department of Internal Medicine, Chonnam National University Medical School, Gwangju 61469, Korea
- 4. Department of Biomedical Science and Engineering, Gwangju Institute of Science and Technology, Gwangju 61005, Korea

#### Correspondence to

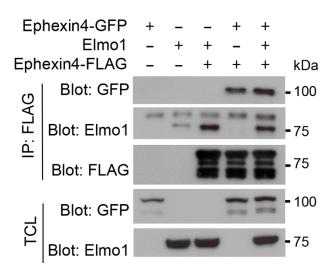
Daeho Park
School of Life Sciences
Gwangju Institute of Science and Technology
Gwangju 61005, Korea

Tel.: 82-62-715-2890 Fax: 82-62-715-2484

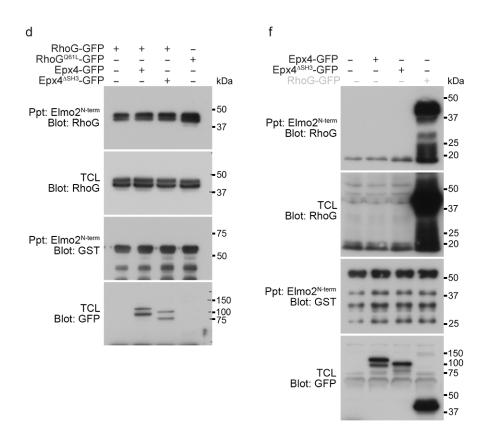
Email: daehopark@gist.ac.kr

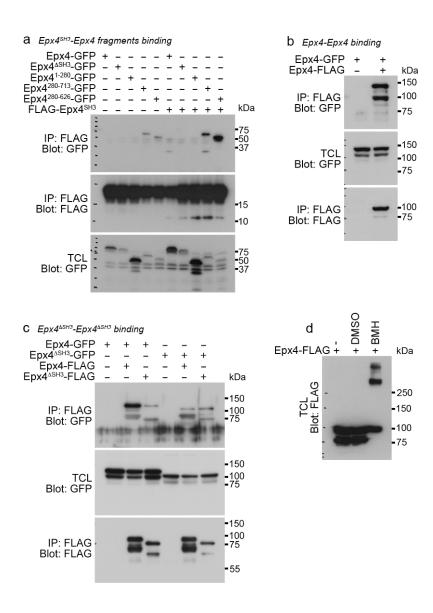


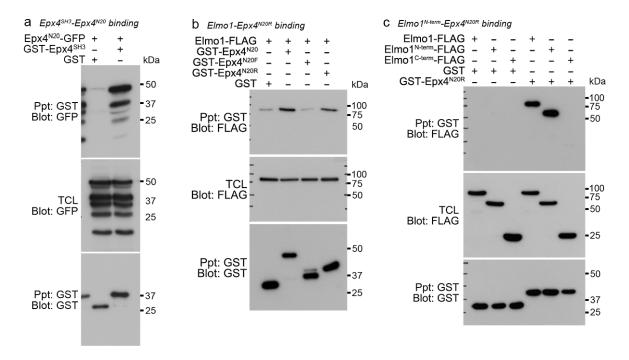
LR73 cells were transfected with Ephexin4 $^{\Delta SH3}$ -GFP. 1 day after transfection, the cells were permeabilized and stained with anti-Rab4, anti-LAMP1, or anti-EEA1. Images were obtained using confocal microscopy. Scale bar, 20  $\mu$ m.

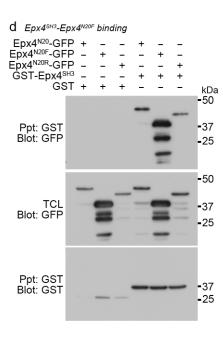


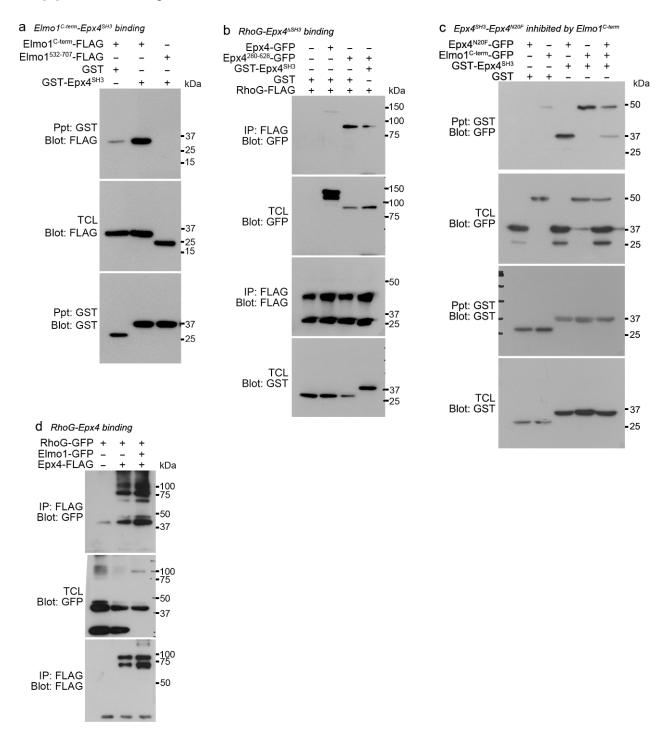
293T cells transfected with the indicated plasmids were lysed 2 day after transfection, and then the lysates were immunoprecipitated with anti-FLAG antibody. Co-immunoprecipitated proteins were detected with anti-GFP, anti-Elmo1 or anti-FLAG through western blotting. TCL, total cell lysates.

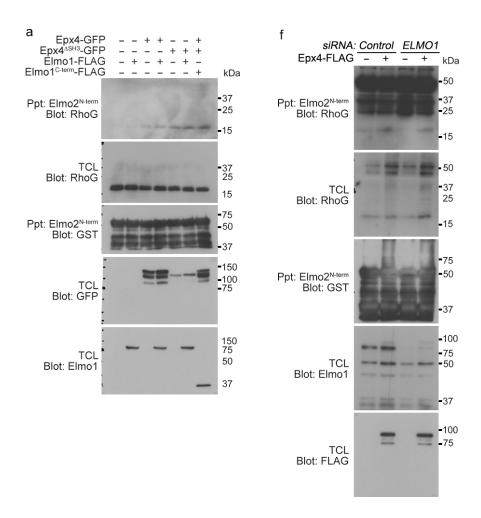


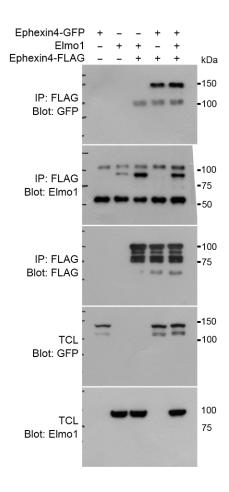












Uncropped western blots for the blots used in Supplementary S2