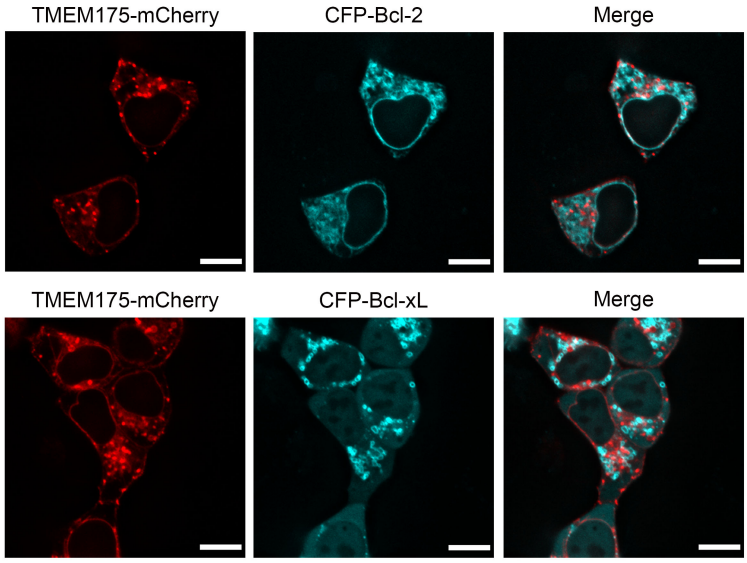
Appendix:

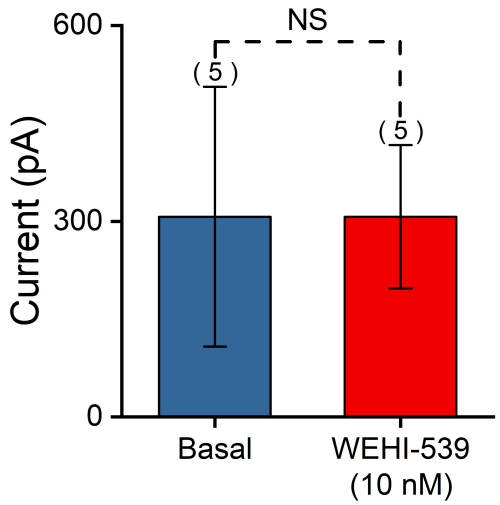
Lysosomal K^+ Channel TMEM175 Promotes Apoptosis and Aggravates Symptoms of Parkinson's Disease

Lili Qu, Bingqian Lin, Wenping Zeng, Chunhong Fan, Haotian Wu, Yushu Ge, Qianqian Li, Canjun Li, Yanan Wei, Jing Xin, Xingbing Wang, Dan Liu, and Chunlei Cang

Table of contents

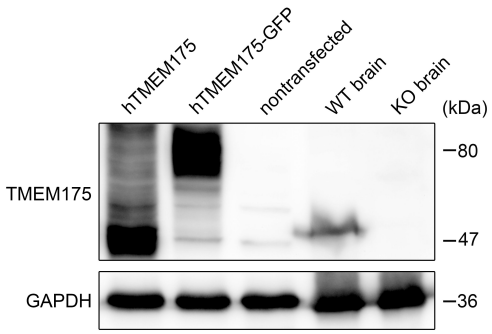


Appendix Figure S1. Localization patterns of mCherry-tagged TMEM175 and CFP-tagged Bcl-2 (upper row) or CFP-tagged Bcl-xL (lower row) in HEK293T cells. Scale bars = 10 μm



Appendix Figure S2. Whole cell TMEM175 currents recorded before (basal) and 20 min after application of 10 nM WEHI-539. The currents were elicited with a ramp protocol (-100 to +100 mV in 1 s, every 10 s, Vh = 0 mV) and measured at -100 mV.

Data information: The data are presented as the mean ± SEM. Statistical significance was analyzed with two-sided student's t-tests and is indicated with NS for not significant ($P > 0.05$). n value means the number of biological replicates made for each data point.



Appendix Figure S3. Validation of TMEM175 antibody and TMEM175-knockout mice. Immunoblots of HEK293T cells and mouse brains using the TMEM175 antibody (Proteintech, 19925-1-AP). Samples (from left to right): hTMEM175-transfected HEK293T cells, hTMEM175-GFP-transfected HEK293T cells, nontransfected HEK293T cells, brain of a WT mouse and brain of a TMEM175-KO mouse.