

Inhibitory role of peroxiredoxin 2 in LRRK2 kinase activity induced cellular pathogenesis

Kang Yan^{1,△}, Wenfeng Zhang^{1,△}, Xu Han¹, Fei Chang^{1,✉}, Yongjian Liu^{1,2,✉}

¹Jiangsu Key Laboratory of Xenotransplantation, School of Basic Medical Science, Nanjing Medical University, Nanjing, Jiangsu 211166, China;

²Department of Pharmacology & Chemical Biology, University of Pittsburgh School of Medicine, Pittsburgh, PA 15216, USA.

Supplementary Table 1 Primer for SH-SY5Y cells and MDA-MB-231 cells

Primer	Sequence(5'-3')
Prx2	F CGAGCATGGGGAAGTTTGTG
	R GGCACAAGCTCACTATCCGT
Prx3	F GTCTTGCACTAAGATCAAGCCA
	R CTCTCAGTTGAGAAGGTGCAGA
GAPDH	F GAAAGCCTGCCGGTGACTAA
	R GCCCAATACGACCAAAATCAGAGA

Supplementary Table 2 Primer for Rats Brain

Primer	Sequence(5'-3')
Prx1	F CCGGATGGACAATTCAAAGATA
	R ATCCTCCTTGTCTTCTGGGTGT
Prx2	F GGCCTGTGAAAAATGATGAG
	R GTCCACAGGTAGGTCGTTG
Prx3	F GGTGCTTTTCTTCTACCCCTTG
	R CATTCTTTCTTGGCGTGTG
Prx4	F GCAGGGCTTGAGAGTGATG
	R GTGCTGGCTTGAAATCTTGG
Prx5	F AAAGGAGCAGGTTGGGAGTG
	R GCAGATGGGTCTTGGAACAG
Prx6	F AAATAAACTGTCCATCCTCTACC
	R ACCATCACACTCTCTCCCTTCT
GAPDH	F TGCACCACCAACTGCTTAGC
	R GGCATGGACTGTGGTCATGAG
TH	F GTGTTTCAATGCACCCAGTAT
	R GTCCAATGTCCTGGGAGA

[△]These authors contributed equally to this work.

[✉]Corresponding author: Fei Chang and Yongjian Liu, Jiangsu Key Laboratory of Xenotransplantation, School of Basic Medical Science, Nanjing Medical University, 101 Longmian Ave., Nanjing, Jiangsu 211166, China. Tel: +86-25-86869442, E-mails: changf1987@sina.com and young.liu78@gmail.com.

Received 11 June 2019, Revised 17 June 2019, Accepted 21 June

2019, Epub 31 July 2019

CLC number: R742.5, Document code: A

The authors reported no conflict of interests.

This is an open access article under the Creative Commons Attribution (CC BY 4.0) license, which permits others to distribute, remix, adapt and build upon this work, for commercial use, provided the original work is properly cited.