

Appendix

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Table S1. Primary antibodies used for immunoblotting.

Table S2. Primary antibodies used for confocal imaging.

Appendix Table S1. Primary antibodies used for immunoblotting.

| Antibody | Species | Dilution | Supplier/code | References |
|--------------------------------|------------|----------|-----------------------|--|
| Anti-p62 | Guinea Pig | 1:1000 | Progen (GP62-C) | https://www.labome.com/product/Progen/gp62-c.html Waguri and Komatsu <i>Methods Enzymol.</i> 2009 |
| Anti-LC3 | Mouse | 1:250 | NanoTools (0231-100) | Lin et al., <i>Cell Death Disease</i> 2014 |
| Anti-RGS9 | Goat | 1:1000 | Santa Cruz (sc-8142) | Mancuso et al., <i>J Neurochem</i> 2010 Napolitano et al., <i>Neurobiol. Dis.</i> 2010 |
| Anti-D2R | Rabbit | 1:1000 | Millipore (AB5084P) | Stojanovic et al., <i>Amino Acids</i> 2017 |
| Anti-TorsinA | Rabbit | 1:800 | Abcam (AB34540) | Puglisi et al., <i>PlosOne</i> 2013 |
| Anti-RGS7 | Goat | 1:200 | Santa Cruz (sc-8139) | Lopez-Fando et al., <i>Neuropsychopharmacol</i> 2005 Terzi et al., <i>Neuropsychopharmacol</i> 2012 |
| Anti-Gβ5 | Rabbit | 1:1000 | Millipore (071208) | Terzi et al., <i>Neuropsychopharmacol</i> 2012 |
| Anti-R7BP | Goat | 1:500 | Santa Cruz (sc-50170) | Terzi et al., <i>Neuropsychopharmacol</i> 2012 |
| Anti-Rab4 | Rabbit | 1:1000 | Abcam (ab13252) | Peng et al., <i>JBC</i> 2012 |
| Anti-spinophilin / neurabin-II | Rabbit | 1:3000 | Sigma Aldrich (5162) | Feng et al., <i>Proc Natl Acad Sci U S A.</i> 2000 |
| Anti-LAMP2 | Rat | 1:200 | Genetex (GTX13524) | Rothaug et al., <i>Acta Neuropathol Comm</i> 2015 |
| Anti-β arrestin-2 | Mouse | 1:500 | Santa Cruz (sc-13140) | Beaulieu et al., <i>Cell</i> 2005 Lee et al., <i>J Neurosci</i> 2011 |
| Anti-GFP | Rabbit | 1:200 | Santa Cruz (sc-8334) | Kretz et al., <i>Molecular Therapy</i> 2003 |

Appendix Table S2. Primary antibodies used for confocal imaging.

| Antibody | Species | Dilution | Supplier/code | References |
|-----------|------------|----------|--------------------------|--|
| Anti-RGS9 | Goat | 1:1000 | Santa Cruz (sc-8142) | Mancuso et al., <i>J Neurochem</i> 2010 |
| Anti-ChAT | Goat | 1:500 | Novus Biol. (NBP1-30052) | Ponterio et al., <i>Neuropharmacol</i> 2013 |
| Anti-p62 | Guinea Pig | 1:300 | Progen (GP62-C) | Sarkar et al., <i>Autophagy</i> 2014 |
| Anti-D2R | Rabbit | 1:500 | Millipore (AB5084P) | Song et al., <i>Front Behav Neurosci</i> 2014 Rajput et al., <i>Neurosci Res</i> 2009 |
| Anti-PDI | Mouse | 1:500 | StressGene (SPA891) | O'Farrel et al., <i>Neurosci</i> 2009 |