Supplementary Methods

Assessment of Brain Injury

Perfused and fixed brains were removed at 5 days after 5-h ligation of PPA & ECA. Coronal brain paraffin-embedded sections (thickness, 4 μm) were cut on a microtome and stained with cresyl violet for histological measurements. The various sections were used to detect the lesion, the number of cell in optional area measured at various site (Cerebral cortex, CA1, Striatum).

Supplementary Figure Legend

Supplementary figure 1. Morphological analysis of brain injury in retinal ischemic model mice.

(A) Representative photomicrographs of cresyl violet-stained retinal sections, control, 5-h ischemia and 5 days reperfusion. (B) Number of cresyl violet stained cells in optional area of cerebral cortex, hippocampus (CA1), and striatum. Data are presented as means ± S.E. (n = 4 or 5).