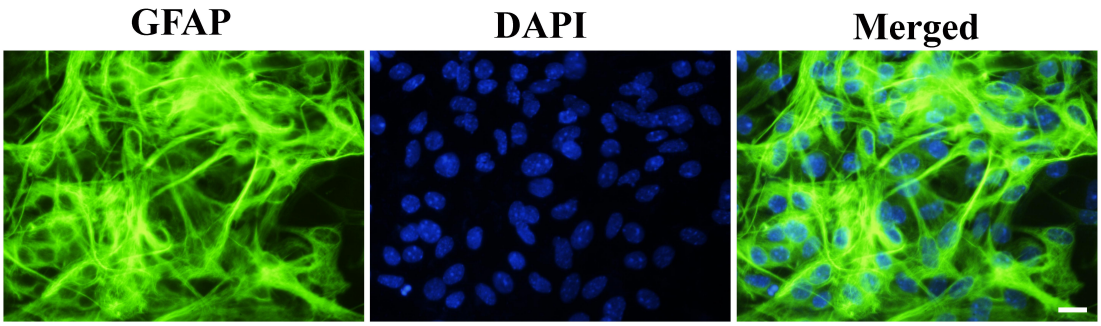
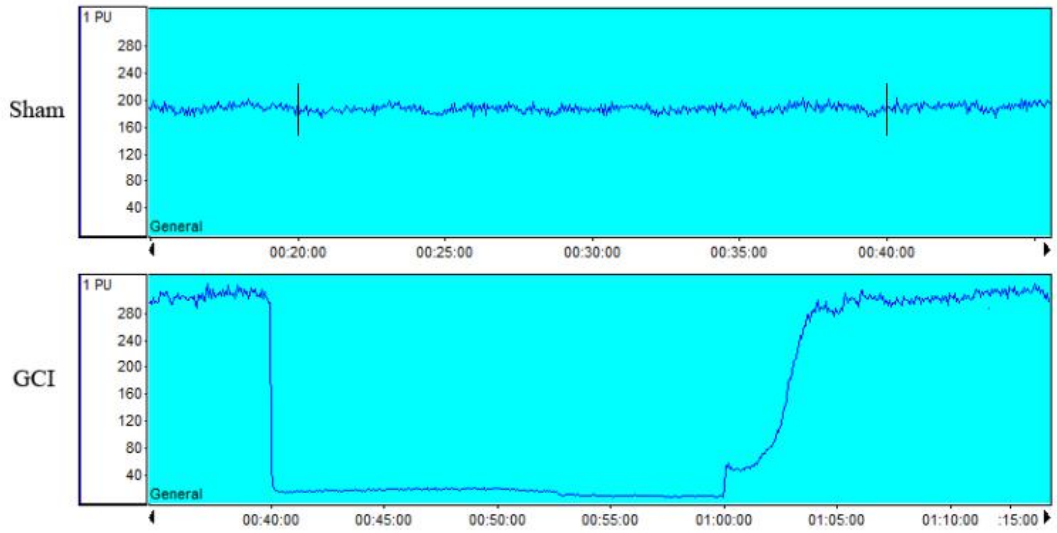
Supporting information 1



Supplementary Figure 1. Identification of primary cultured astrocytes.

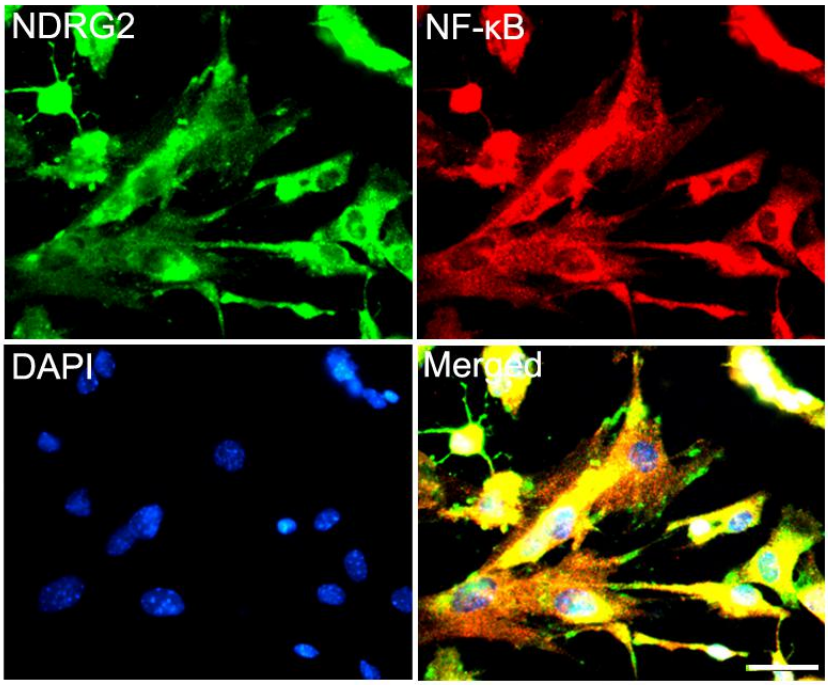
GFAP is a specific marker for astrocytes. The analysis revealed that at least 95% of the cultured cells were GFAP-positive. Scale bar: 20 μm.

Supporting information 2



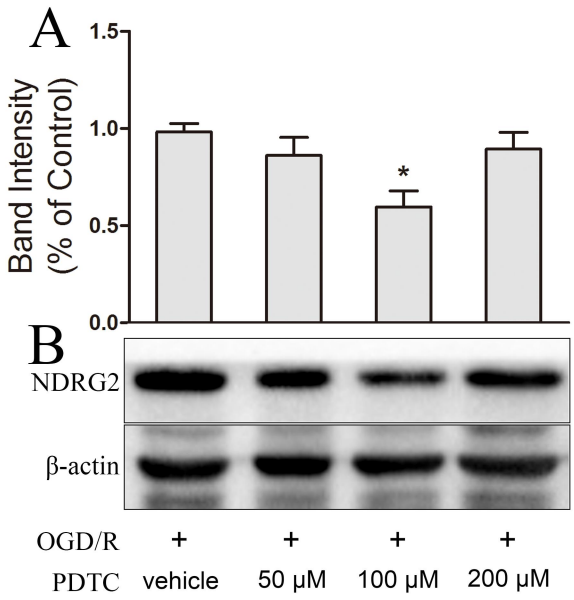
Supplementary Figure 2. Regional Cerebral Blood Flow (rCBF) Measurements. The rCBF was immediately reduced to <10 % of the pre-ischemic baseline after GCI and remained constant during the ischemic period in all animals. After the clips were removed, and the rCBF returned to pre-ischemic values within 5 min.

Supporting information 3



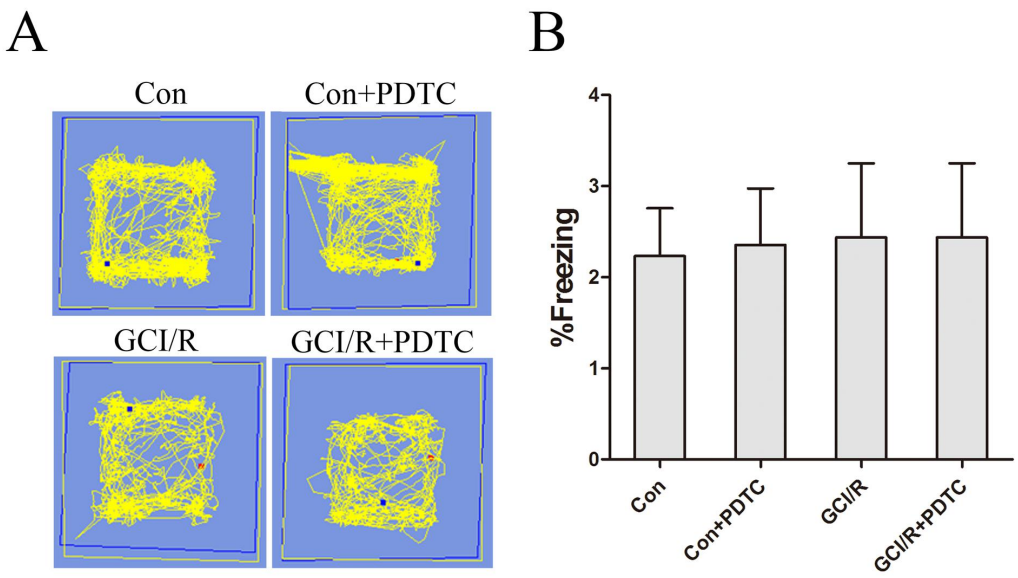
Supplementary Figure 3. Colocalization of NDRG2 and NF-κB in primary cultured astrocytes. Scale bar: 20 μm.

Supporting information 4



Supplementary Figure 4. The effect of different doses PDTC on NDRG2 expression after OGD/R.*$p<0.05$ vs. Vehicle group.

Supporting information 5



Supplementary Figure 5 The movement tracks and freezing time before footshocks in different group.

Supporting information 6

Group			MABP (mmHg)	PH	P_{O2} (mmHg)	P_{CO2} (mmHg)
Con group	Sham	pre	70±0.5	7.42±0.02	174±10	36.5±1.3
		during	72±0.6	7.38±0.02	166±13	38.5±2.3
		post	70±0.7	7.40±0.02	169±9	37.8±1.7
	GCI/R	pre	71±0.5	7.41±0.02	175±9	36.6±1.6
		during	71±0.8	7.37±0.02	165±14	37.4±2.3
		post	69±0.4	7.39±0.02	174±8	35.8±1.7
PDTC group	Vehicle	pre	71±0.4	7.42±0.02	170±10	36.8±1.8
		during	72±0.5	7.38±0.02	164±14	37.6±2.4
		post	70±0.4	7.40±0.02	173±10	36.3±2.0
	GCI/R	pre	73±0.6	7.40±0.02	177±10	36.7±1.7
		during	74±0.7	7.36±0.03	166±14	38.2±2.5
		post	72±0.5	7.41±0.02	171±10	37.1±1.6

Supplementary table 1. Physiological parameters of the animals during the GCI period. pre, the measurement prior to GCI; MABP, mean arterial blood pressure. There were no significant differences between the groups at the corresponding time points.