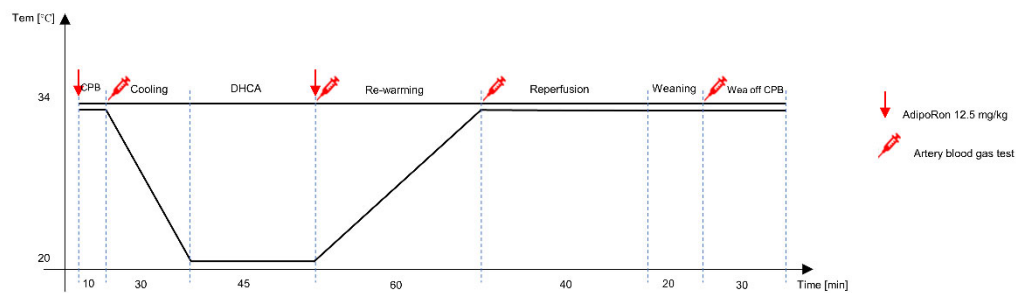

**AdipoRon Inhibits Neuroinflammation Induced by Deep Hypothermic
Circulatory Arrest Involving the AMPK/NF- κ B Pathway in Rats**

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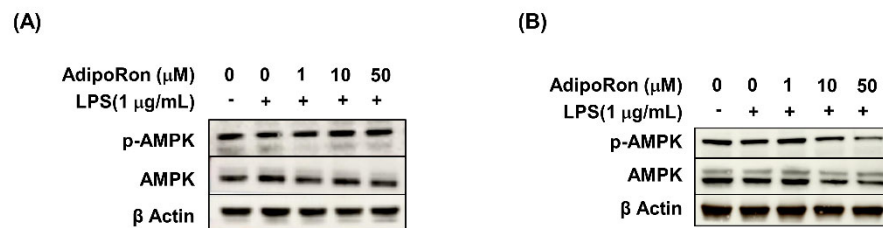
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Supplemental Figures



Supplemental Figure S1: Flow chart of DHCA model in rats.

CPB: cardiopulmonary bypass, DHCA: deep hypothermic circulatory arrest.



Supplemental Figure S2: The impact of AdipoRon on the activation of AMPK in BV2 cells.

Expression of phosphorylation status of AMP-activated protein kinase (p-AMPK; molecular weight: 62 kDa), AMPK-activated protein kinase (AMPK; molecular weight: 62 kDa) in BV2 cell were measured by immunoblot. **(A)** BV2 cell were preincubated with AdipoRon (0 – 50 μ M) or vehicle (dimethyl sulfoxide) for 1 hour before stimulation with lipopolysaccharide (1 μ g/mL) for 2 hours. **(B)** BV2 cell were preincubated with AdipoRon (0 – 50 μ M) or vehicle (dimethyl sulfoxide) for 1 hour before stimulation with

lipopolysaccharide (1 $\mu\text{g/mL}$) for 24 hours. 20 μg protein of each sample was used for gel electrophoresis.

Supplemental Table**Supplemental Table S1. Specific primers for quantitative real-time polymerase chain reaction.**

Inflammatory factor gene	Sequence
Mouse IL-6	Forward: TAGTCCTTCCTACCCCAATTTCC
	Reverse: TTGGTCCTTAGCCACTCCTTC
Mouse IL-1 β	Forward: GCAACTGTTCTGAACTCAACT
	Reverse: ATCTTTTGGGGTCCGTCAACT
Mouse TNF- α	Forward: CTGAACTTCGGGGTGATCGG
	Reverse: GGCTTGTCACTCGAATTTTGAGA
Mouse Actin	Forward: GGACTCCTATGTGGGTGACG
	Reverse: CTTCTCCATGTCGTCCCAGT
Rat IL-6	Forward: ACAAGTCCGGAGAGGAGACT
	Reverse: GAATTGCCATTGCACAACTCT
Rat IL-1 β	Forward: CAGCTTTCGACAGTGAGGAGA
	Reverse: TGTCGAGATGCTGCTGTGAG
Rat TNF- α	Forward: GATCGGTCCCAACAAGGAGG
	Reverse: CTTGGTGGTTTGCTACGACG
Rat Actin	Forward: CCCGCGAGTACAACCTTCTTG
	Reverse: TCATCCATGGCGAACTGGTGG