

1 **Supplementary Information**

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3 **Expression and anti-inflammatory role of activin receptor-interacting**
4 **protein 2 in lipopolysaccharide-activated macrophages**

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14 **Running title:** Anti-inflammatory role of ARIP2 in macrophages

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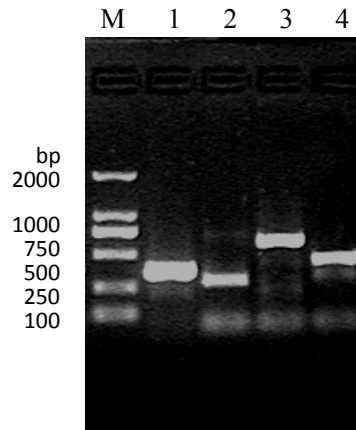
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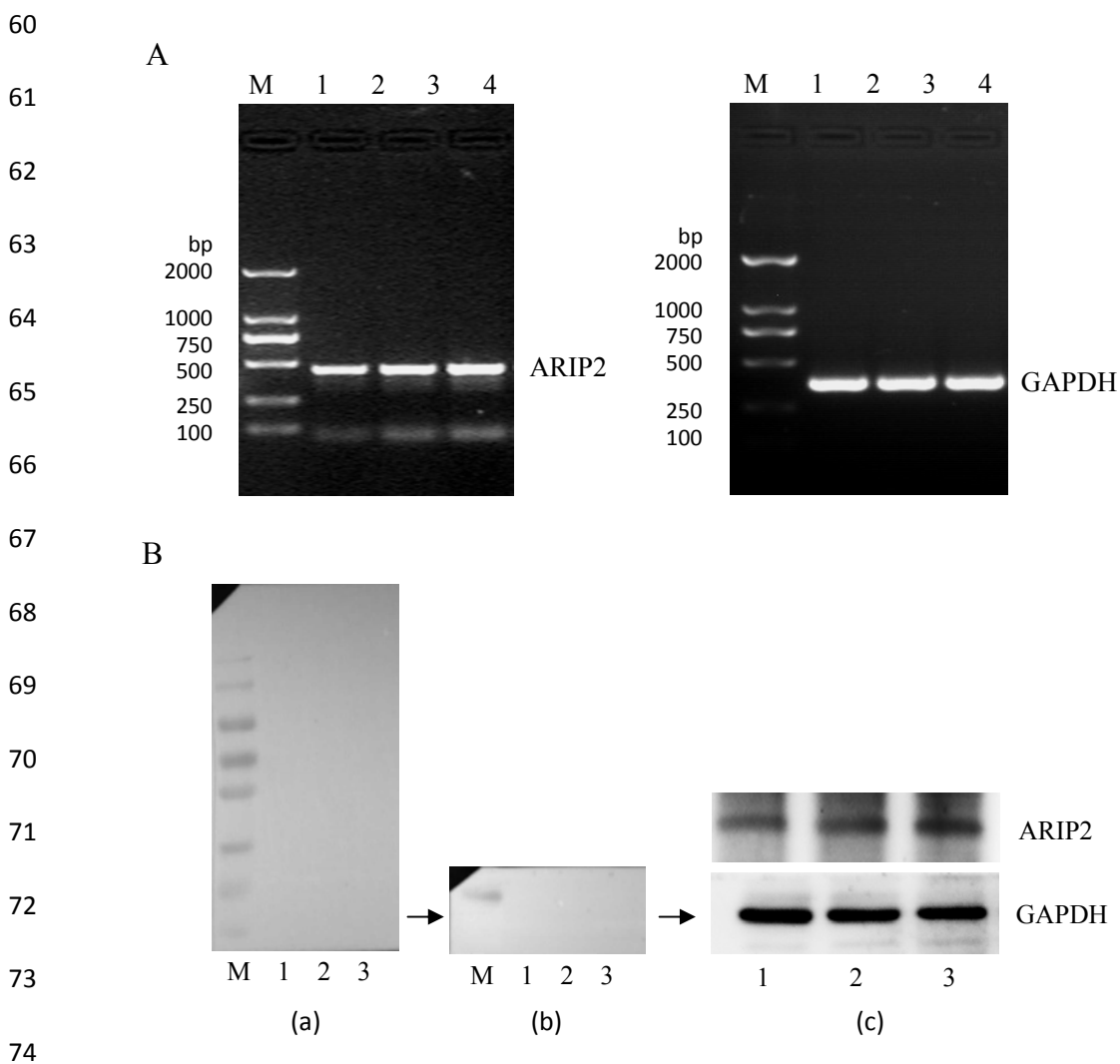
26 **Figure 1.** Full-length gels for ARIP2, ActRIIA and Smad3 mRNA in Raw264.7 cells
27 examined by RT-PCR in manuscript Figure 1A. M, molecular weight (bp); lane1,
28 GAPDH; lane2, ActRIIA; lane3, Smad3; lane4, ARIP2.

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51 **Figure 2.** Full-length gels for ARIP2 expression in Raw264.7 cells. (A) Full-length
 52 gels for ARIP2 mRNA in Raw264.7 cells treated with LPS in manuscript Figure 2A.
 53 Lane 1, Control; Lane 2, LPS 200 ng/ml; Lane 3, LPS 500 ng/ml. (B) Full-length gels
 54 for ARIP2 protein in Raw264.7 cells treated with LPS in manuscript Figure 2C. The
 55 membrane of full-length gel (a) was cut into (b) size according to colorful molecular
 56 marker of protein, and then the (b) size membrane was probed with anti-ARIP2
 57 antibody and the labeled proteins were detected by chemiluminescence (c). M,
 58 Colorful molecular marker of protein. Lane 1, Control; Lane 2, LPS 200 ng/ml; Lane 3,
 59 LPS 500 ng/ml.



75 **Figure 3.** Full-length gels for ARIP2 mRNA in Raw264.7 cells examined by RT-PCR
76 in manuscript Figure 3A. M, molecular weight (bp); lane1, control pcDNA3 empty
77 plasmids; lane2, pcDNA3-ARIP2 expressing plasmids.

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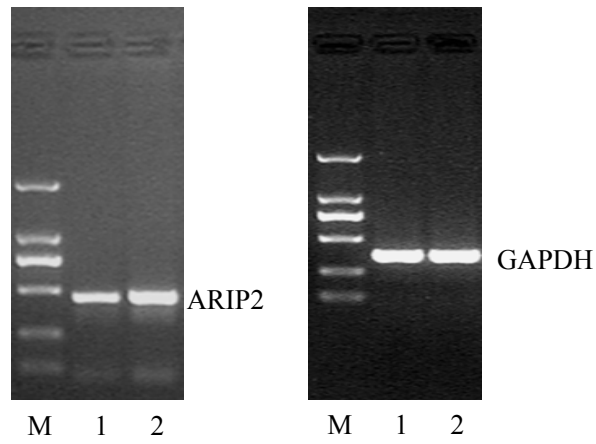
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100 **Figure 4.** Full-length gels for TNF α and MyD88 mRNA in Raw264.7 cells examined
101 by RT-PCR in manuscript Figure 5A. M, molecular weight (bp); lane1, control
102 pcDNA3 empty plasmids; lane2, pcDNA3-ARIP2 expressing plasmids.

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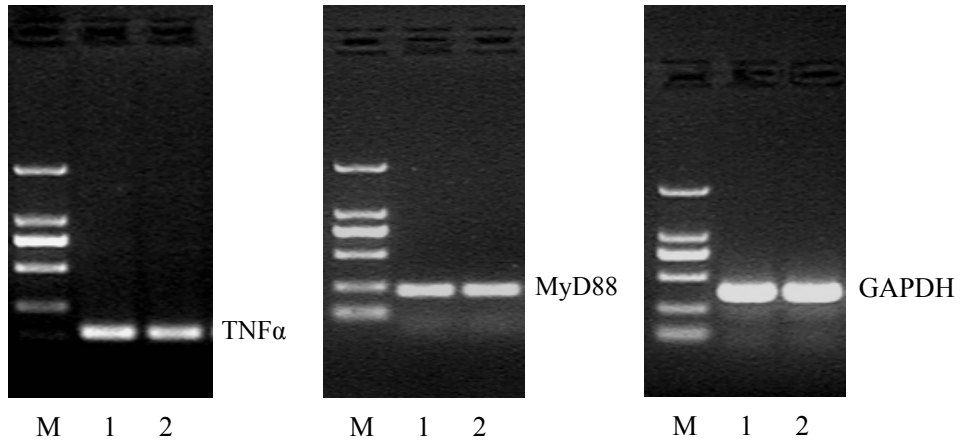
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125 Figure 5. Full-length gels for ARIP2 mRNA in mouse peritoneal macrophages
126 examined by RT-PCR in manuscript Figure 6A. M, molecular weight (bp); lane1,
127 control pcDNA3 empty plasmids; lane2, pcDNA3-ARIP2 expressing plasmids.

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