

Scutellarin alleviates renal ischemia-reperfusion injury  
by inhibiting the MAPK pathway  
and M1 macrophage polarization

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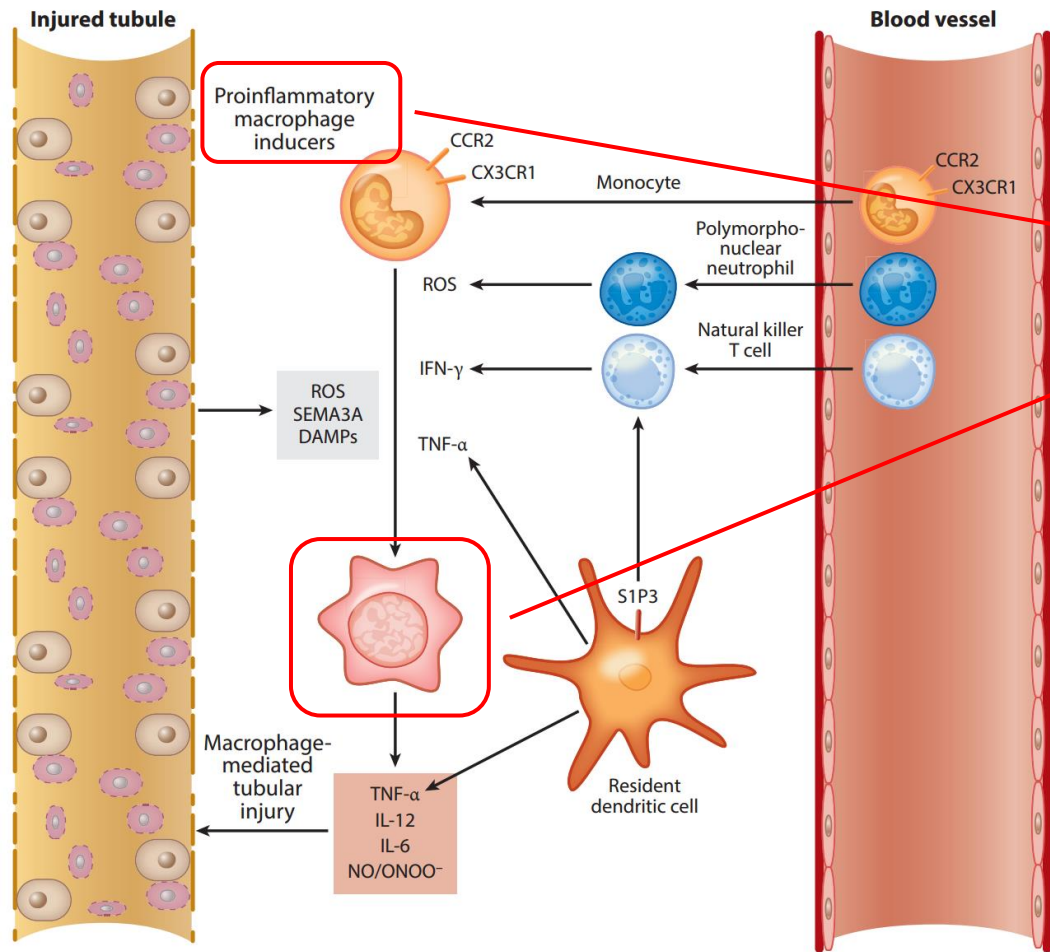
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I have no financial relationship with commercial interest to disclose

**AND**

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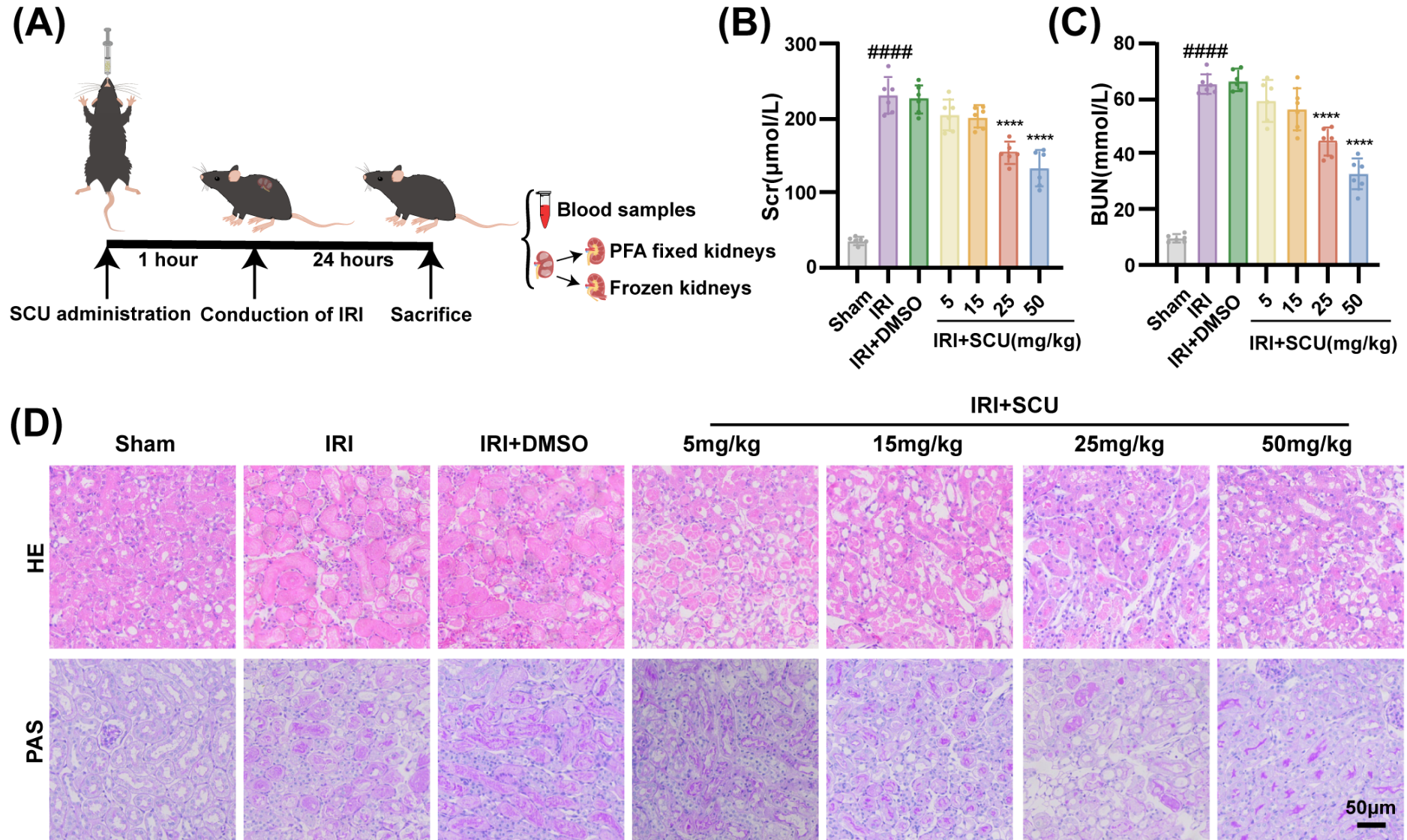
# Introduction



Macrophages especially M1 macrophages could induce renal tubule injury and kidney dysfunction

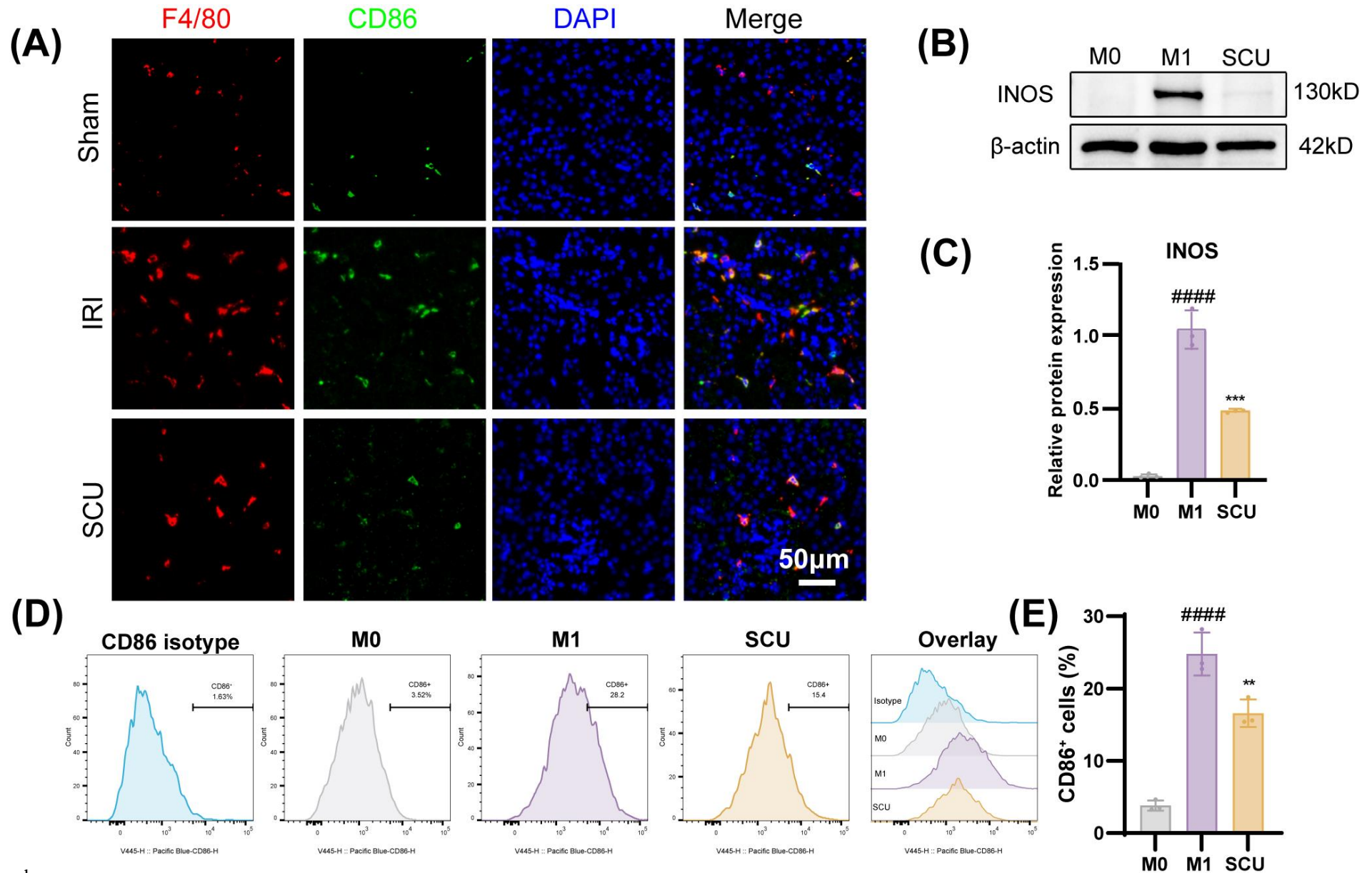
# Results

## SCU administration alleviates IRI-induced kidney dysfunction



# Results

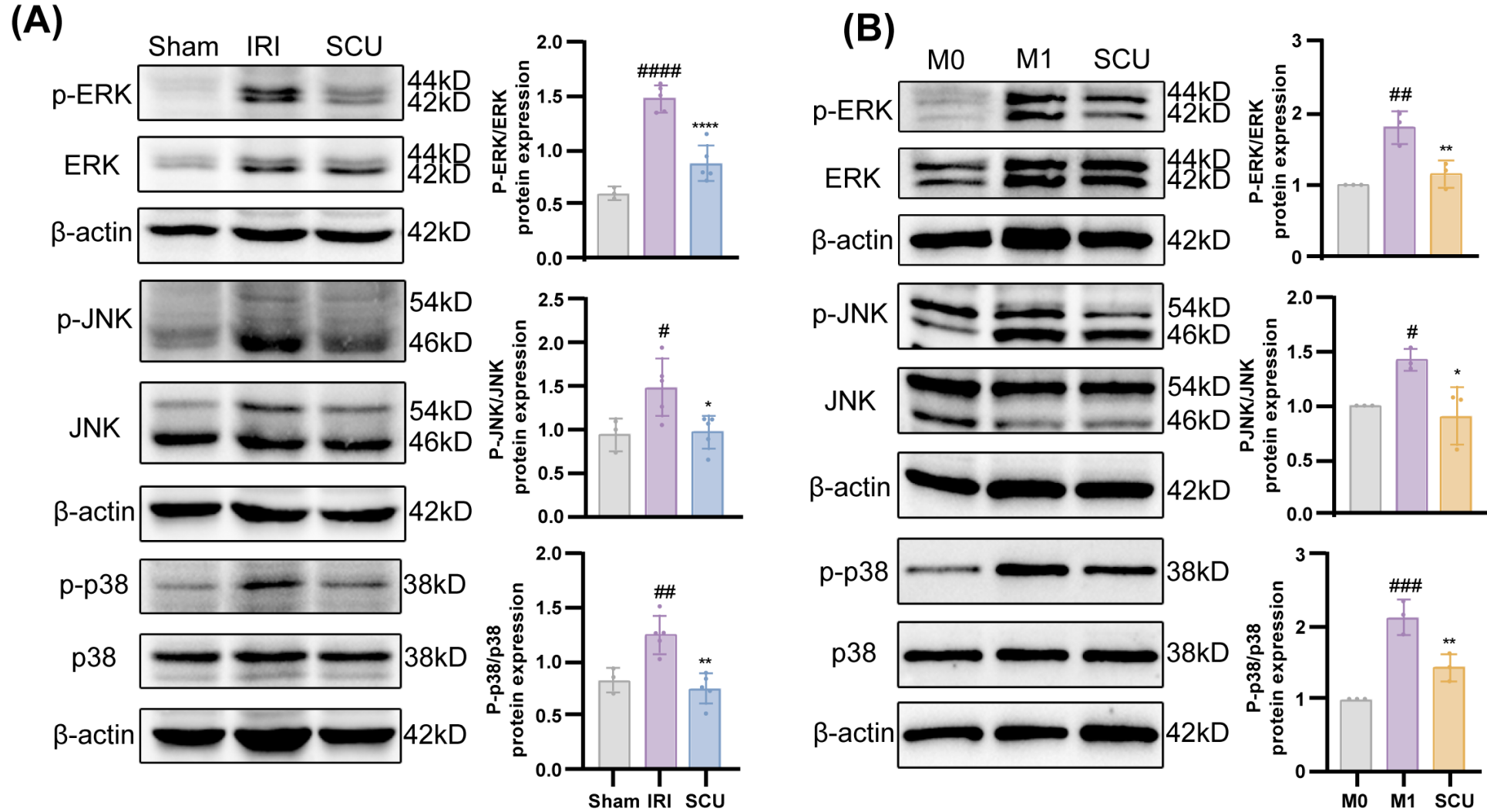
## SCU inhibits M1 macrophage polarization both in vivo and in BMDMs





# Results

## The MAPK pathway is suppressed after SCU treatment



# Conclusion

- SCU mitigates IRI-induced kidney dysfunction
- M1 macrophage polarization increases after IRI injury and decreases by SCU treatment
- The renoprotection of SCU is related to the phosphorylation of MAPK pathway

