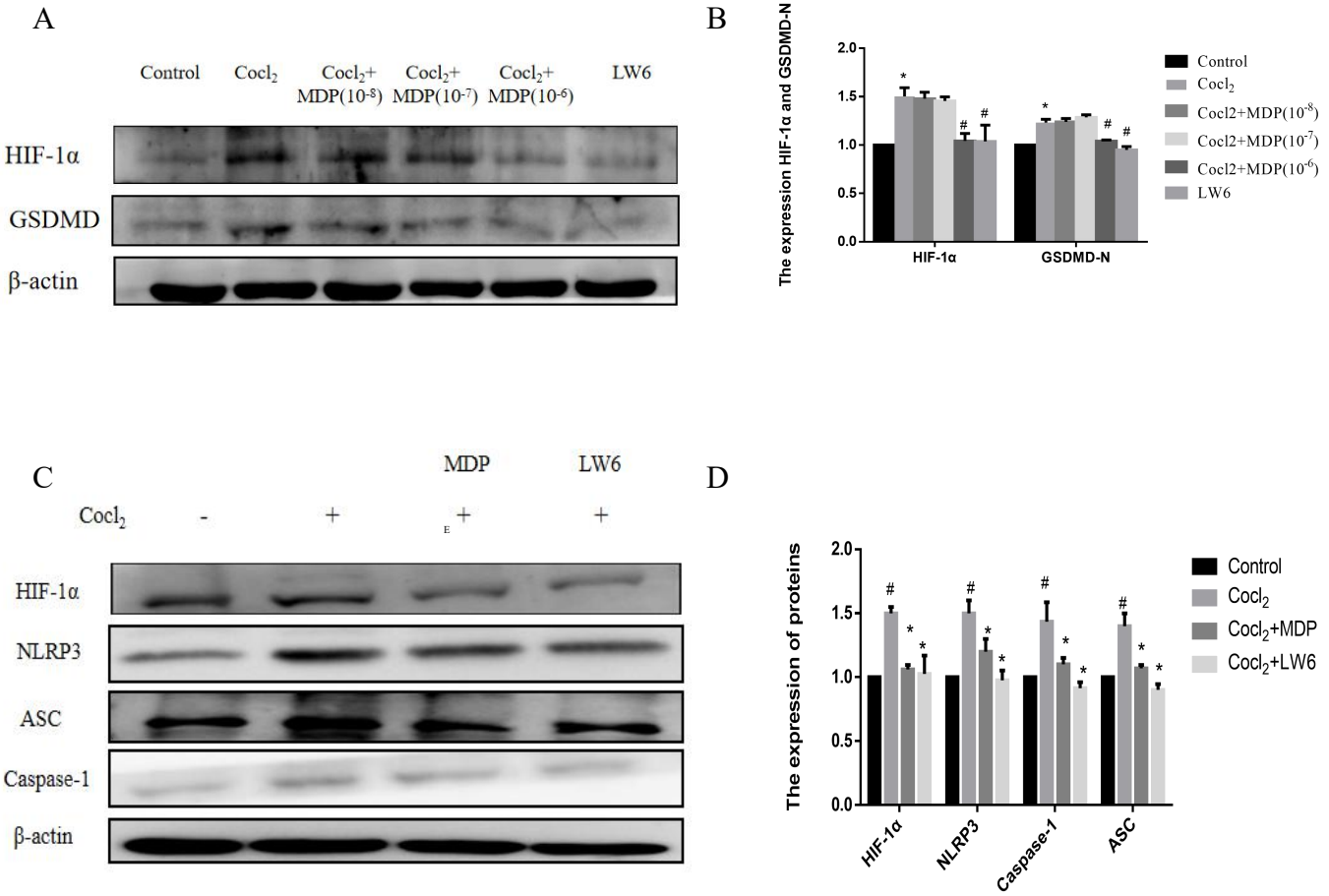
Extended Data Fig. 1 MDP can inhibit FLS pyrolysis induced by Co^{2+} .
(A, B) FLS were treated with Co^{2+} for 24h and different doses of MDP for 16h. Immunoblot analysis and quantification of HIF-1α and GSDMD-N. (C, D) FLS were treated with Co^{2+} for 24h and MDP (10^{-6} mol/L) for 16h.

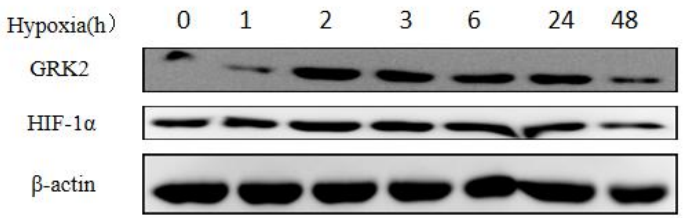
Extended Data Fig. 2 After 2 hours of hypoxia, the levels of GRK2, HIF-1α and ROS were significantly increased in FLS.
(A, B)Immunoblot analysis and quantification of HIF-1α, NLRP3, ASC, Caspase-1, and cleaved-Caspase-1. FLS was exposed to hypoxia for 0, 1, 2, 3, 4, 6, 24, 48h. Immunoblot analysis and quantification of GRK2, HIF-1α. (C) The images of ROS fluorescent.

Extended Data Fig. 3 MDP could inhibit the expression of GRK2 in FLS of AA rats and induce VHL production
(A, B) Immunoblot analysis and quantification of HIF-1α and GSDMD-N in the FLS of different groups of rats. Data were presented as mean ± SD. n = 3. ***$p < 0.001$ compared with control group and $^{###}p < 0.001$ compared with AA group. (C, D) The expression level of VHL treated with or without MDP. Data were presented as mean ± SD. n = 3. *$p < 0.05$ compared with control group.



Extended Data Fig. 1

A



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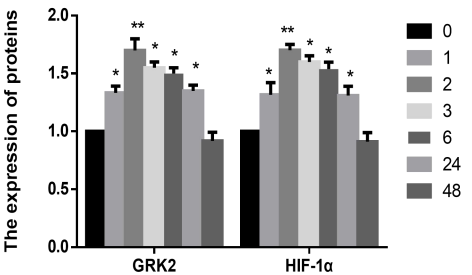

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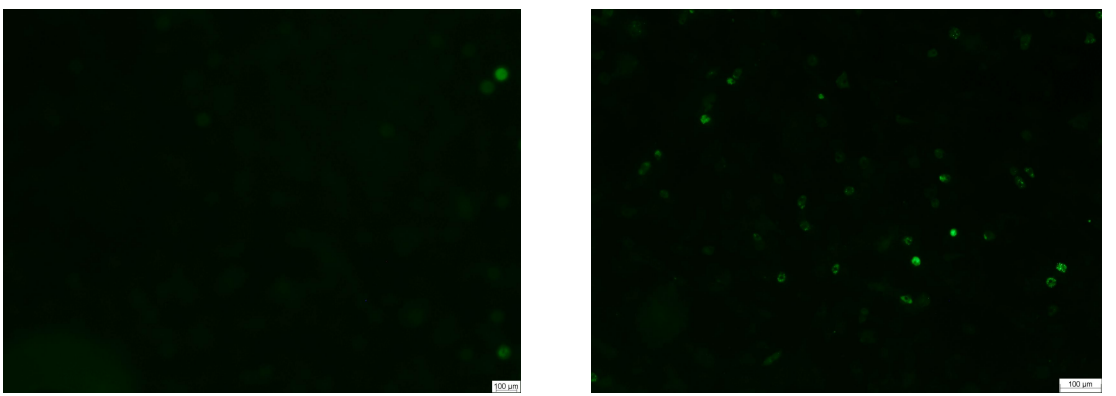
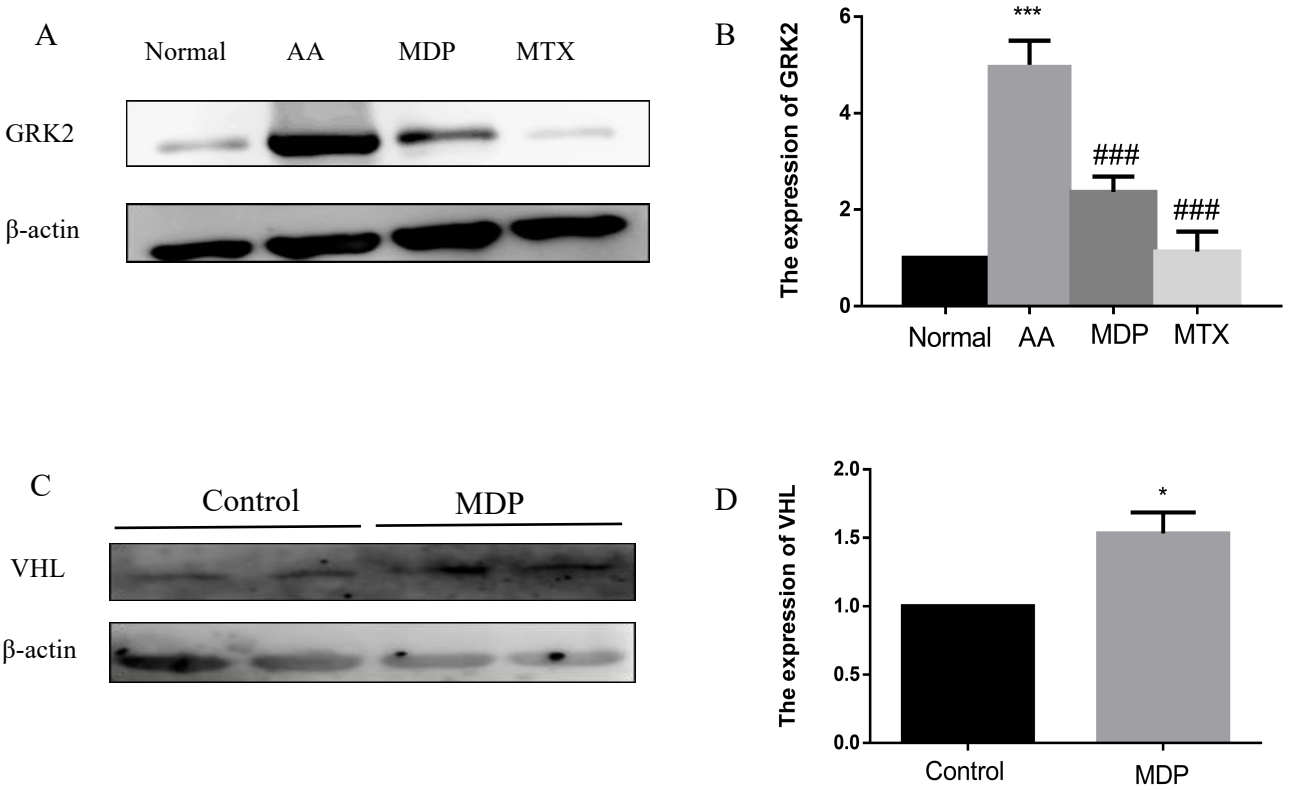


Control

Hypoxia(2h)

Extended Data Fig. 2



Extended Data Fig. 3