

SUPPLEMENTARY INFORMATION

Activation of FXR protects against renal fibrosis via suppressing Smad3 expression

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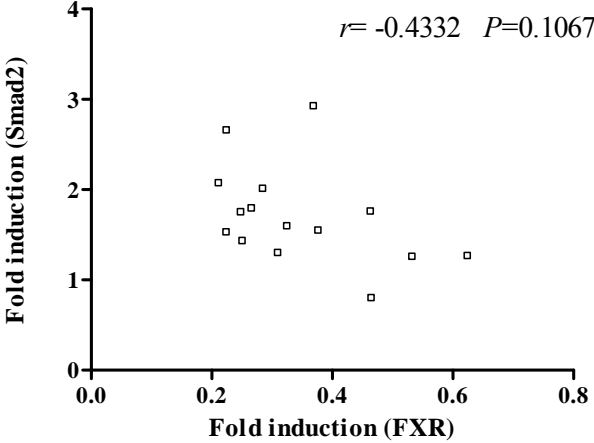
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Supplementary Figure S1. The correlation of FXR and Smad2 in human fibrotic kidneys. The expression of FXR and Smad2 in 15 human fibrotic kidneys and 15 normal control kidney tissues were examined by qRT-PCR, taking β -actin as a control. The correlation between the levels of FXR and Smad2 in human fibrotic kidneys were analyzed with Pearson's test (FXR/Smad4 $r = -0.4332$, $P = 0.1067$).



Supplementary Table S1. Subject demographics

	Control group (n=15)	Fibrosis group (n=15)
Female	3	6
Male	12	9
Average age (year)	59.6	50.3
Age(min)	35	24
Age(max)	72	80

Supplementary Table S2. The primer sets for qRT-PCR

Gene	Product size (bp)	Forward primers	Reverse primers
<i>hFN</i>	180	5'-tgtaccatcgcaaaccg-3'	5'-ggaagtcccagcagcat-3'
<i>hFXR</i>	165	5'-tacatgcgaagaaagtgtcaaga-3'	5'-actgtcttcattcacggtctgat-3'
<i>hSHP</i>	170	5'-cccaagatgctgtgacctt-3'	5'-ccagaaggactccagacagc-3'
<i>hSmad2</i>	182	5'-cggcgggagaagca-3'	5'-ttaccaaaggcagcaa-3'
<i>hSmad3</i>	120	5'-gagtgcctcagtgcagc-3'	5'-ggtagacagcctcaaagc-3'
<i>hSmad4</i>	137	5'-gaacattggatgggagg-3'	5'-taagtcaaacgcatactga-3'
<i>hβ-actin</i>	157	5'-gtgaaggtgacagcagtcggtt-3'	5'-gaagtggggtggttttagga-3'
<i>mFN</i>	151	5'-gaggcaggctcagcaaat -3'	5'-tccatagcaggtacaaacc -3'
<i>mFXR</i>	148	5'-tgtgagggtgcaaagttt-3'	5'-acatccccatctctttgcac-3'
<i>mSmad2</i>	107	5'-gaaagccatcaccactca-3'	5'-tgtcccactgatctaccg-3'
<i>mSmad3</i>	193	5'-gagaagtggtgcgagaag-3'	5'-acaggcggcagtagataa-3'
<i>mSmad4</i>	187	5'-agaacattggatggacgact-3'	5'-agacaaccgctcatagt-3'
<i>mβ-actin</i>	165	5'-tgttaccactgggacgaca-3'	5'-ggggtgtgaaggtctcaa-3'

Abbreviation: h, human; m, mouse.