Supplementary information

Structural and biochemical mechanisms of NLRP1 inhibition by DPP9

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Structural and biochemical mechanisms of NLRP1 inhibition by DPP9

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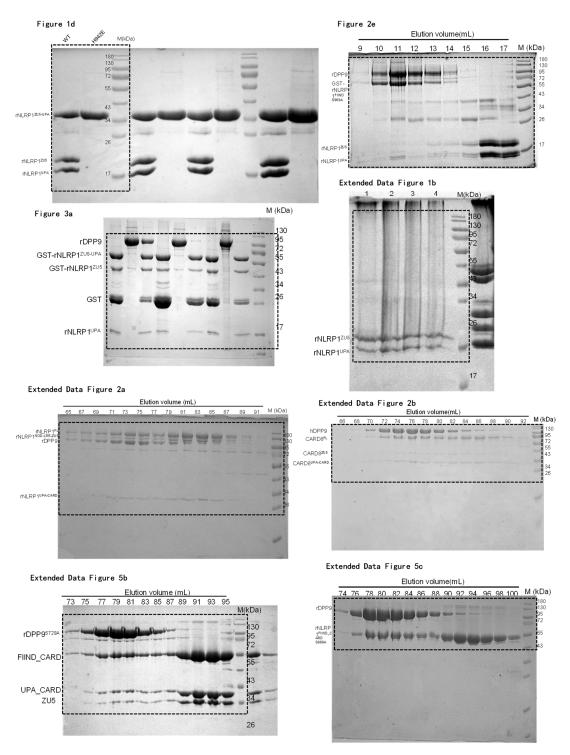
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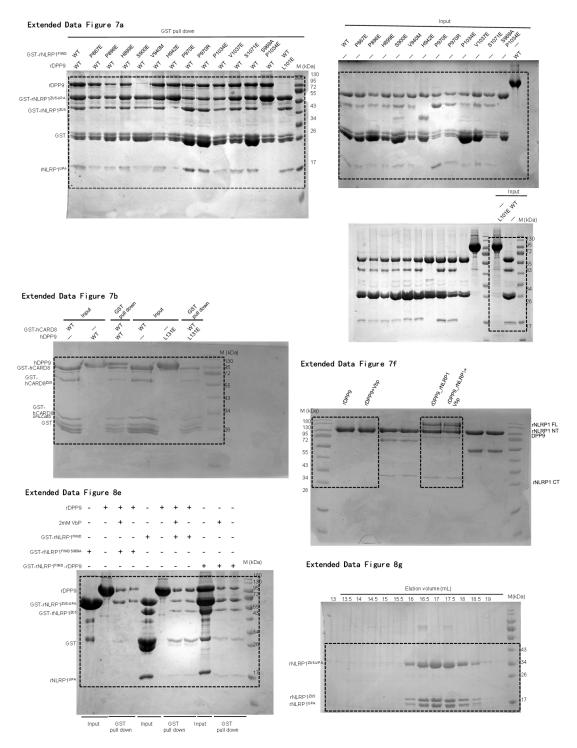
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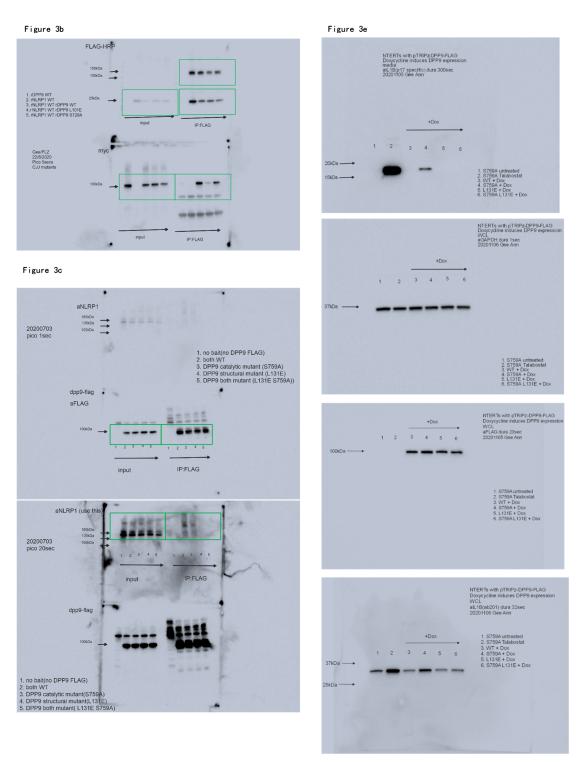
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Supplementary Figure 1 | Full scans of commassie stained gels presented in Figure. 1d, 2e, 3a and Extended Data Figure 1b, 2a, 2b, 5b, 5c.



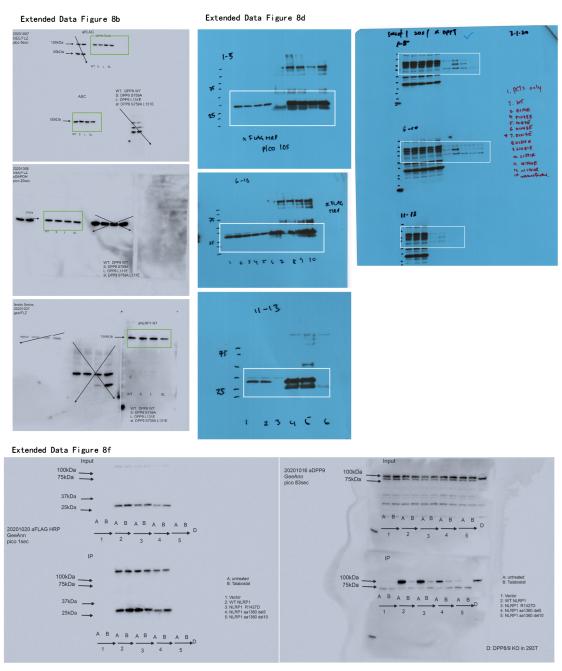
Supplementary Figure 2 | Full scans of commassie stained gels presented in Extended Data Fig. 7a, 7b, 7f, 8e and 8g.



Supplementary Figure 3 | Full scans of western blots presented in Fig. 3b, 3c and 3e.

Extended Data Figure 7c Extended Data Figure 7e A1 A2 A3 A4 A5 A6 A1 A2 A3 A4 A5 AG 37kDa d with the follow 25kDa C-GFP transfected with the following: 2-NLRP1-FLAG, pCMV-DPP9-FLAG WT 2-NLRP1-FLAG, pCMV-DPP9-FLAG S759A 2-NLRP1-FLAG, pCMV-DPP9-FLAG I31E 2-NLRP1-FLAG, pCMV-DPP9-FLAG S759A L131E 20201127 Gee Ann aGAPDH pico 11sec T-ASC-GFP-DPP8/9 dKO Vector + Casp1 + IL18 NLRP1 + DPP9 WT + Casp1 + IL18 NLRP1 + DPP9 S759A + Casp1 + IL18 NLRP1 + DPP9 S759A + Casp1 + IL18 NLRP1 + Casp1 + IL18 NLRP1 + Casp1 + IL18 aGAPDH pico 13secs 20201223 Gee/FLZ A1 A2 A3 A4 A5 100kDa 75kDa A7 A1 A2 A3 A4 A5 A6 ed Win NC-PCMV-DPP9-FLAG WT PCMV-DPP9-FLAG S759A PCMV-DPP9-FLAG L131E 87-ASC-GFP-DP98/9 dKO : Vector + Casp1 + IL 18 : NLEP1 + DP99 V/T + Cosp1 + IL 18 : NLEP1 + DP99 V/T + Cosp1 + IL 18 : NLEP1 + DP99 5/364 L1312 + Casp1 + IL 18 : NLEP1 + Casp1 + IL 18 : untransfected 20201127 Gee Ann aNLRP1-NT dura 1sec A1 A2 A3 A4 A5 A6 A7 aFLAG-HRP pico 3sec 20201218 Gee/FLZ A1 A2 A3 A4 A5 A6 150kDa-100kDa _____ 75kDa _____ A3 A5 A6 A6 (1/4) (1/6) A6 (1/2) proform 5kDa DPP9-FLAG WT DPP9-FLAG S759/ 20201124 Gee Ann aFLAG-HRP pico 1sec A4 A5 A5 A5 A5 (1/2) (1/4) (1/6) A2 A3 20210123 Gee/FLZ alL1b p17 Extended Fig 7e Femto 400secs asp1 + IL1B Casp1 + IL1B Casp1 + IL1B 131E + Casp1

Supplementary Figure 4 | Full scans of western blots presented in Extended Data Fig. 7c and 7e.



Supplementary Figure 5 | Full scans of western blots presented in Extended Data Fig. 8b, 8d and 8f.