

Duloxetine attenuates paclitaxel-induced peripheral nerve injury by inhibiting  
p53-related pathways

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## Supplemental Figures

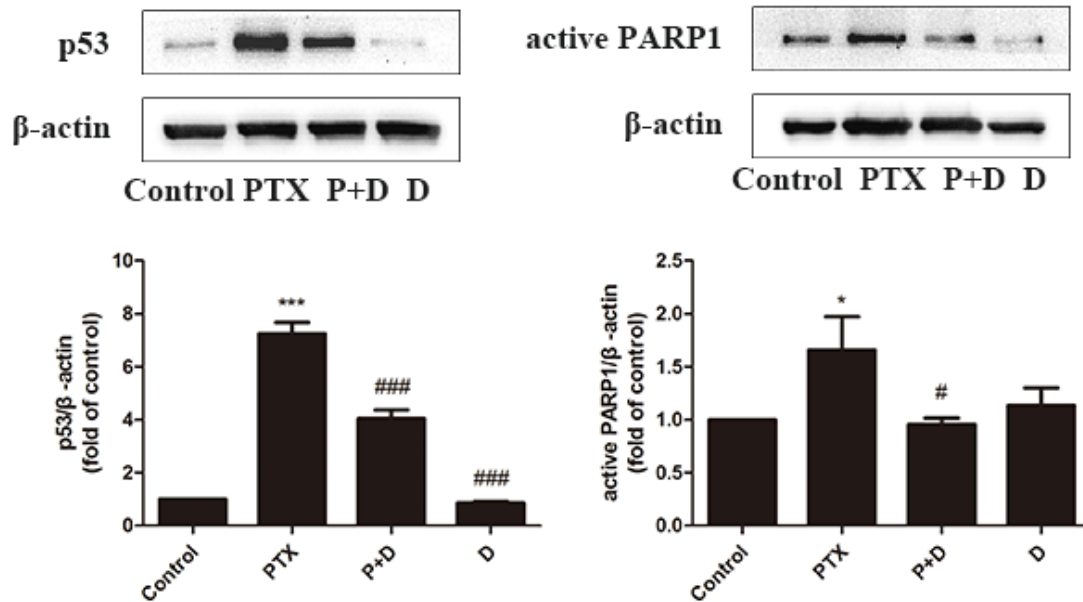


Fig.S1. Effect of duloxetine on p53 and PARP1 in primary DRG neurons. Related to Figure 4A. Primary rat DRG neuron cells were treated with PTX (300nM) with or without duloxetine (300nM). Duloxetine significantly decreased the expression of p53 and active-PARP1 protein in the primary DRG cells. (\*  $P < 0.05$ , \*\*\*  $P < 0.001$  vs. Control; #  $P < 0.05$ , ###  $P < 0.001$  vs. PTX,  $n=5$ ).

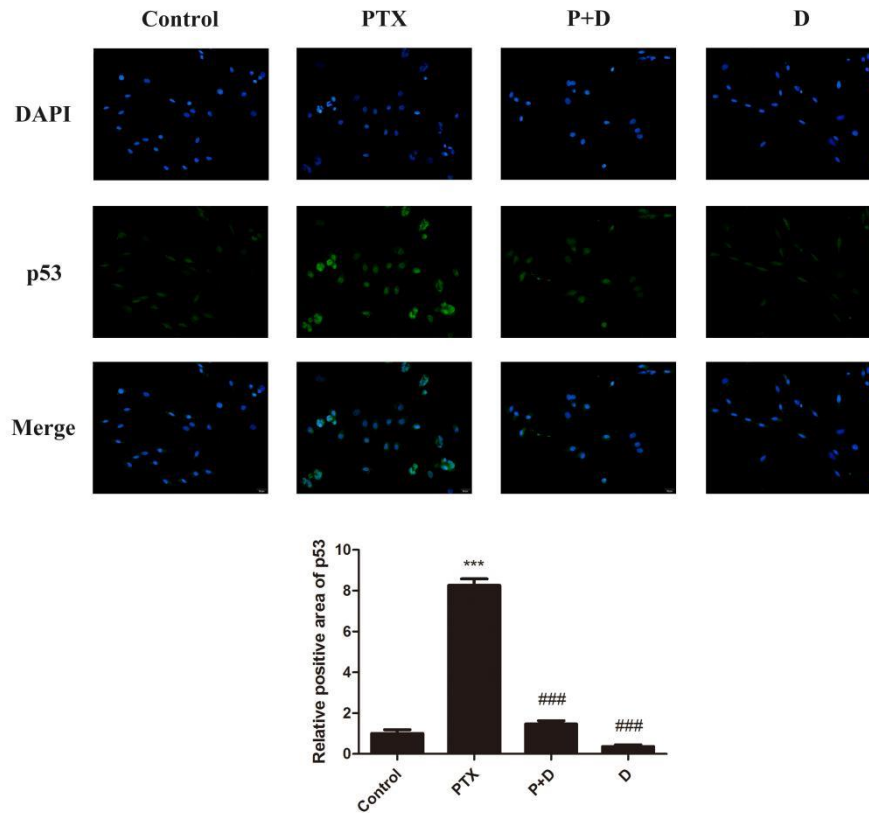


Fig. S2. Effect of duloxetine on p53 in primary DRG neurons with immunostaining. Related to Figure 4C. Primary rat DRG neuron cells were treated with PTX (300nM) with or without duloxetine (300nM). Duloxetine significantly decreased the protein expression of p53 in the primary DRG cells. DRG cells were double-stained with DAPI and p53. The fluorescence intensity was observed using fluorescence microscopy (400 $\times$ ). (\*\*\*)  $P < 0.001$  vs. Control; (###)  $P < 0.001$  vs. PTX,  $n=5$ ).

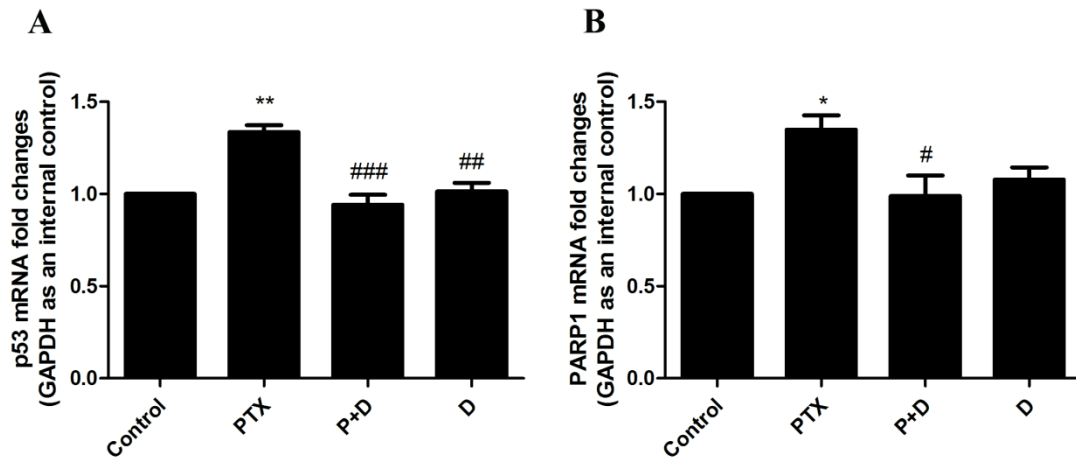


Fig.S3. Effect of duloxetine on p53 and PARP1 mRNA expression in primary DRG neurons. Related to Figure 4D. Primary rat DRG neuron cells were treated with PTX (300nM) with or without duloxetine (300nM). Duloxetine significantly decreased the mRNA expression of p53 and PARP1 in the primary DRG cells. (\*  $P < 0.05$ , \*\*  $P < 0.01$  vs. Control; #  $P < 0.05$ , ##  $P < 0.01$ , ###  $P < 0.001$  vs. PTX,  $n=3$ ).