

Figure S1. Semi-quantification of the immunofluorescence intensity for the control, and IV and IP routes in the rAAV8-CAG-EGFP group. The data are presented as the mean \pm SEM. n=3. *P<0.05 vs. control. rAAV, recombinant adeno-associated virus; IV, intravenous; IP, intraperitoneal; CAG, cytomegalovirus immediate-early enhancer/chicken β -actin; EGFP, enhanced green fluorescent protein.

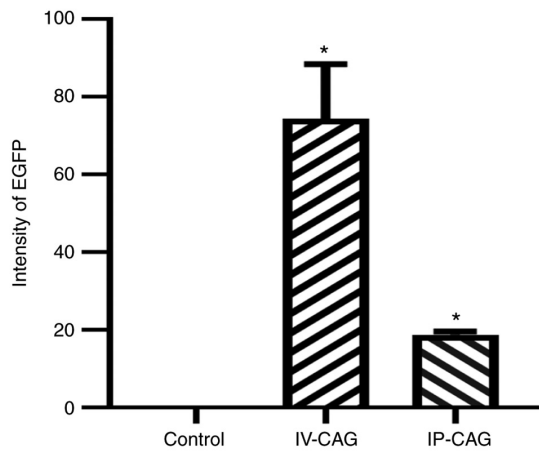


Figure S2. Histopathological analysis of liver tissues showed no notable cellular damage and inflammatory response. Representative H&E staining images at (A) x100 and (B) x400 magnification in the control group. Representative H&E staining images at x400 magnification via the (C) IV and (D) IP routes in rAAV8-CAG-EGFP group. Representative H&E staining images at x400 magnification via the (E) IV and (F) IP routes in the rAAV8-TBG669-EGFP group. Representative H&E staining images at of x400 magnification via the (G) IV and (H) IP routes in rAAV8-TBG410-EGFP group. H&E, hematoxylin and eosin; rAAV, recombinant adeno-associated virus; IV, intravenous; IP, intraperitoneal; CAG, cytomegalovirus immediate-early enhancer/chicken β -actin; EGFP, enhanced green fluorescent protein; TBG, thyroxine-binding globulin promoter.

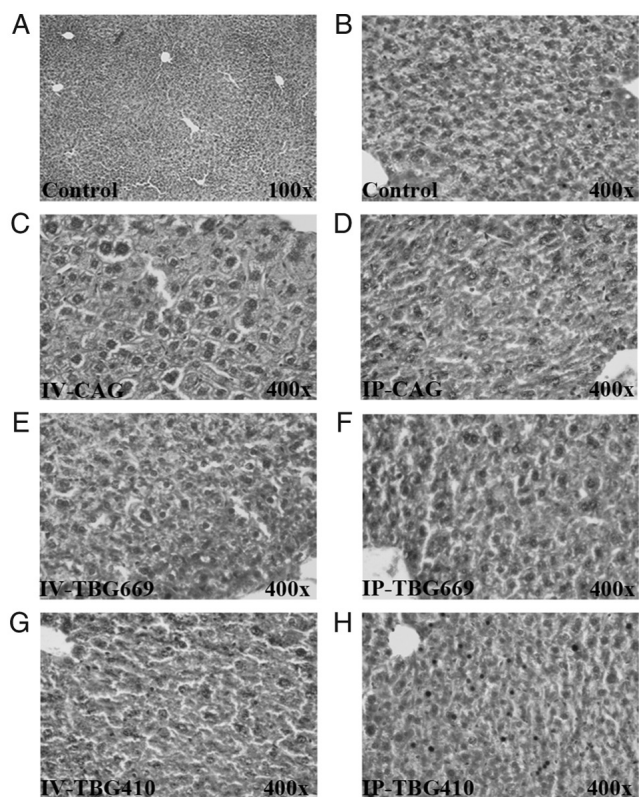


Table SI. Primers sequences used for reverse transcription-quantitative PCR.

Gene	Forward sequence (5'-3')	Reverse sequence (5'-3')	Size of product, bp
<i>Cxcl2</i>	CCAACCACCAGGCTACAGG	GCGTCACACTCAAGCTCTG	108
<i>Tnf-α</i>	AGGGTCTGGGCCATAGAACT	CCACCACGCTCTTCT	103
<i>Socs3</i>	AACTTGCTGTGGGTGACCAT	AAGGCCGGAGATTTCGCT	136
<i>Fga</i>	CAACTCTTGGGCCACGTACT	GGGTCACCTGCCTCATCTT	108
<i>18S rRNA</i>	ATTGGAGCTGGAATTACCGC	CGGCTACCACATCCAAGGAA	102

Cxcl2, chemokine ligand 2; *Tnf- α* , tumor necrosis factor- α ; *Socs3*, suppressor of cytokine signaling 3; *Fga*, fibrinogen α chain; *rRNA*, ribosomal RNA.