

Lycopene Ameliorates Atrazine-Induced Pyroptosis in Spleen *via* Suppressing the Ox-mtDNA/Nlrp3 Inflammasome Pathway

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Fig. S1 Schematic diagram illustrating the western blot in the study.

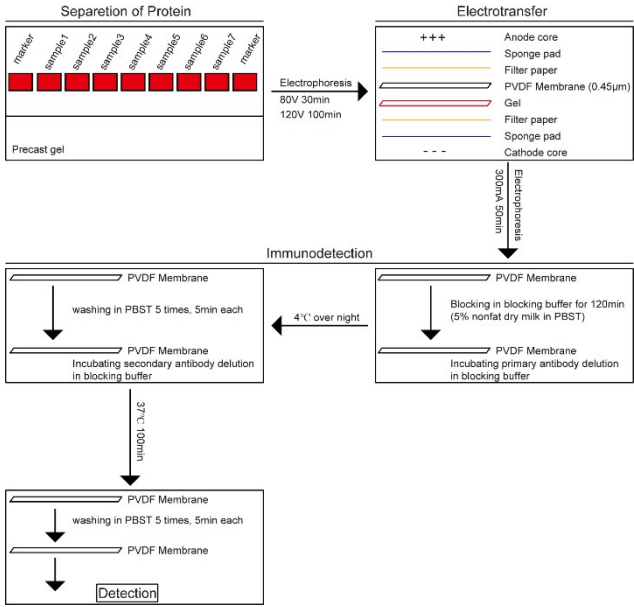


Fig. S2 Apoptosis of spleen with ATZ exposure and/or Lyc treatment in spleen of mice. Black arrow indicated that TUNEL labeled splenocytes in each group.

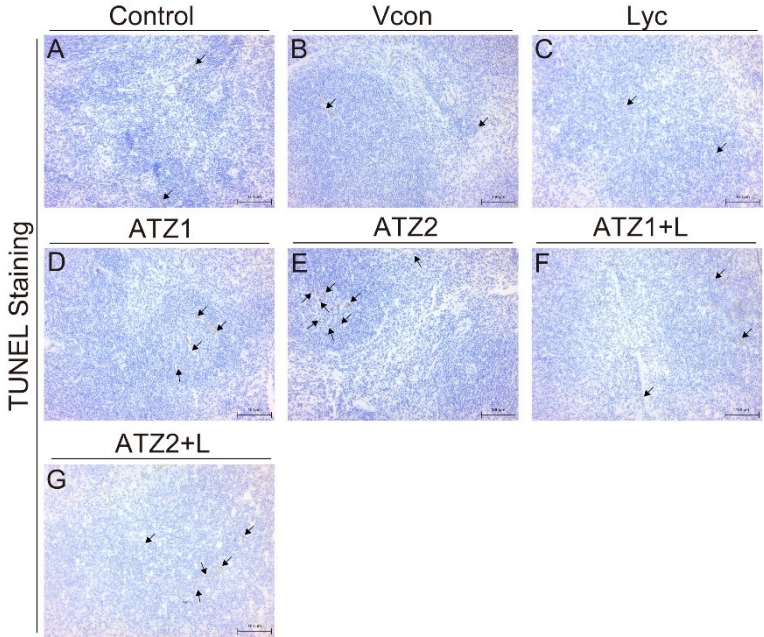


Fig. S3 The expression of Nfkb with ATZ exposure and/or Lyc treatment in spleen of mice. (A-G)

Immunostaining of Nfkb in spleen with ATZ exposure and/or Lyc treatment. (H) Statistical analysis of Nfkb

labeled cells in spleen. (I) Protein level of Nfkb. Data were presented as the mean \pm SEM. Asterisks (*)

indicated the significance differences between the control and another groups (* $p < 0.05$, ** $p < 0.01$, *** p

< 0.001). Octothorpe (#) indicate the significance differences between the two groups (# $p < 0.05$, ## $p < 0.01$,

$p < 0.001$).

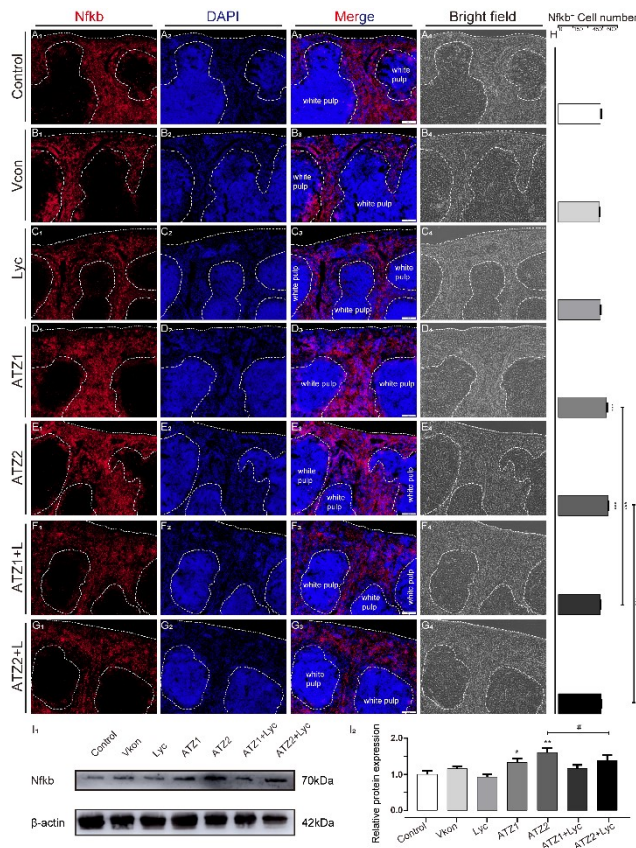


Fig. S4 Original western blot gels used in the study.

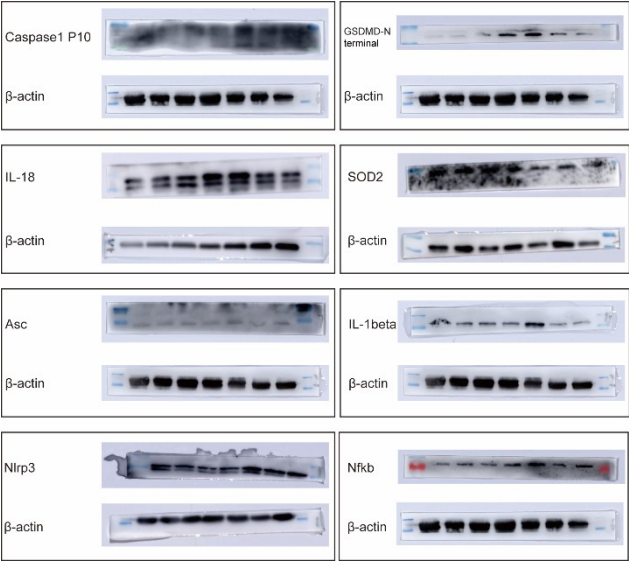


Table S1 The

primers used

for qPCR	Name	Primers	analysis
	Actb	F: 5'-GTGACGTTGACATCCGTAAAGA-3' R: 5'-GCCGGACTCATCGTACTCC-3'	
	Gapdh	F: 5'-CGTGCCGCCTGGAGAAACCTG-3' R: 5'-AGAGTGGGAGTTGCTGTTGAAGTCG-3'	
	Irf1	F: 5'-ATGCCAATCACTCGAATGCG-3' R: 5'-CCTGCTTTGTATCGGCCTGT-3'	
	Mff	F: 5'-ATGCCAGTGTGATAATGCAAGT-3' R: 5'-CTCGGCTCTCTTCGCTTTG-3'	
	Mfn1	F: 5'-CCTACTGCTCCTTCTAACCCA-3' R: 5'-AGGGACGCCAATCCTGTGA-3'	
	Mfn2	F: 5'-CTGGGGACCGGATCTTCTTC-3' R: 5'-CTGCCTCTCGAAATTCTGAAACT-3'	
	Nrf1	F: 5'-TATGGCGGAAGTAATGAAAGACG-3' R: 5'-CAACGTAAGCTCTGCCTTGTT-3'	
	Opa1	F: 5'-TGGAAAATGGTTCGAGAGTCAG-3' R: 5'-CATTCCGTCTCTAGGTTAAAGCG-3'	
	Sirt1	F: 5'-TGATTGGCACCGATCCTCG-3' R: 5'-CCACAGCGTCATATCATCCAG-3'	
	Sirt3	F: 5'-GGCTCTATACACAGAACATCGAC-3' R: 5'-TAGCTGTTACAAAGGTCCCGT-3'	
	Tfam	F: 5'-ATTCCGAAGTGTTCCTCCAGCA-3' R: 5'-TCTGAAAGTTTTGCATCTGGGT-3'	
	D-loop	F: 5'-AATCTACCATCCTCCGTGAAACC-3' R: 5'-TCAGTTTAGCTACCCCAAGTTTAA-3'	
	non-NUMT	F: 5'-CTAGAAACCCCGAAACAAA-3' R: 5'-CCAGCTATCACCAAGCTCGT-3'	
	B2m	F: 5'-ATGGGAAGCCGAACATACTG-3' R: 5'-CAGTCTCAGTGGG GGTGAAT-3'	
	Tert	F: 5'-CTAGCTCATGTGTCAAGACCCTCTT-3' R: 5'-GCCAGCACGTTTCTCTCGTT-3'	