**Supplementary Information**

**Supplement table 1. Primer sets for RT-PCR**

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| --- | --- | --- | --- |
| Species | Name | Sequences-F | Sequences-R |
| Rat | GAPDH | GACATGCCGCCTGGAGAAAC | AGCCCAGGATGCCCTTTAGT |
| NLRP3 | GCAGCGATCAACAGGCGAGAC | TCCCAGCAAACCTATCCACTCCTC |
| ASC | TGGTTTGCTGGATGCTCTGTATGG | ACAAGTTCTTGCAGGTCAGGTTCC |
| Caspase-1 | AAACACCCACTCGTACACGTCTTG | AGGTCAACATCAGCTCCGACTCTC |
| IL-18 | CGACCGAACAGCCAACGAATCC | TCACAGATAGGGTCACAGCCAGTC |
| GSDMD | CAGCAGGCAGCATCCTTGAGTG | TCCAGAGCCTTAGTAGCCAGTAGC |
| HMGB1 | CCTCCTTCGGCCTTCTTCTTGTTC | TCATCCGCAGCAGTGTTGTTCC |
| mouse | GAPDH | CTCCCATGTTTGTTGTTGGTGTCA | CTTCCACCTCTCCAGTCCTTCATT |
| NLRP3 | GCCGTCTACGTCTTCTTCCTTTCC | CATCCGCAGCCAGTGAACAGAG |
| ASC | GGACGGAGTGCTGGATGCTTTG | CATCTTGTCTTGGCTGGTGGTCTC |
| Caspase-1 | ATACAACCACTCGTACACGTCTTGC | TCCTCCAGCAACTTCATTTCTC |
| IL-1β | CACTACAGGCTCCGAGATGAACAAC | TGTCGTTGCTTGGTTCTCCTTGTAC |
| IL-18 | CAAAGTGCCAGTGAACCCCAGAC | ACAGAGAGGGTCACAGCCAGTC |
| GSDMD | CGATGGGAACATTCAGGGCAGAG | ACACATTCATGGAGGCACTGGAAC |
| HMGB1 | AGGCTGACAAGGCTCGTTATGAAAG | GGGCGGTACTCAGAACAGAACAAG |

**Supplement figure 1.**



**Supplement figure 1.** The viability of IEC-6 cells. (A-F) Drug concentration screening of FAE,FA, ph, cisplatin, tBHP, NAC. (G) Effect of NAC on cell viability of cisplatin injured IEC-6 cells. (H) Effect of NAC on cell viability of tBHP injured IEC-6 cells. All data are presented as the mean ± SEM (n = 3). \**P* < 0.05, \*\**P* < 0.01, and \*\*\**P* < 0.001, compared to the control group. #*P* < 0.05, ##*P* < 0.01, and ###*P* < 0.001, compared to the model group. Cis, cisplatin; FAE,Forsythiae Fructus aqueous extract; ph, phillyrin; FA, forsythoside A; NAC, N-acetyl-L-cysteine.

**Supplement figure 2.**



**Supplement figure 2.** The viability of J774A.1 macrophages. (A-F) Drug concentration screening of FAE,FA, ph, cisplatin, LPS, and NAC in J774A.1 macrophages. (G) Effect of ATP on cell viability of LPS injured J774A.1 macrophages cells. (H) Effect of NAC on cell viability of cisplatin injured J774A.1 macrophages cells. (I) Effect of NAC on cell viability of LPS/ATP injured J774A.1 macrophages. All data are presented as the mean ± SEM (n = 3). \**P* < 0.05, \*\**P* < 0.01, and \*\*\**P* < 0.001, compared to the control group. #*P* < 0.05, ##*P* < 0.01, and ###*P* < 0.001, compared to the model group. Cis, cisplatin; FAE,Forsythiae Fructus aqueous extract; ph, phillyrin; FA, forsythoside A; NAC, N-acetyl-L-cysteine.