

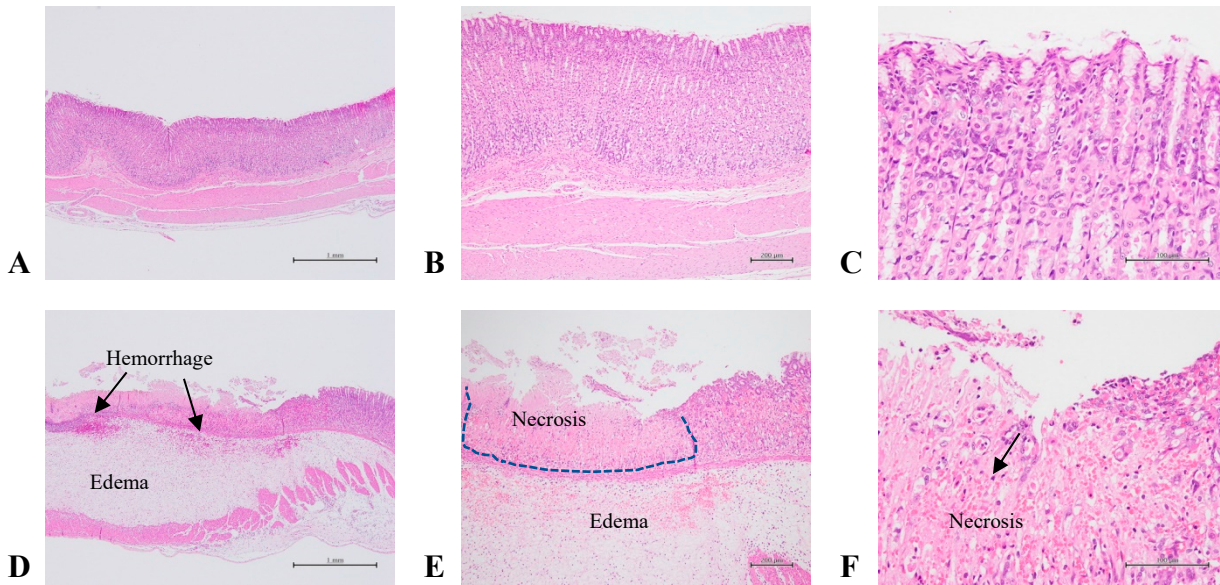


Figure S1A. Histopathological changes of the stomach in the protective effects of *A. indica* HP813 powder on gastric mucosa in rats - control and positive control group. No significant change of the stomach was noted in the control (animal code: 107). However, 70% ethanol caused multifocal slight to moderate/severe degeneration/ necrosis with hemorrhage, inflammation and edema and hemorrhage in the mucosa of the stomach in the positive control group (animal code: 205). The severity score of necrosis was 0 and 2.9 ± 0.9 in the control and positive control groups, respectively. H&E stain, 40x, 100x, 400x. Arrow.

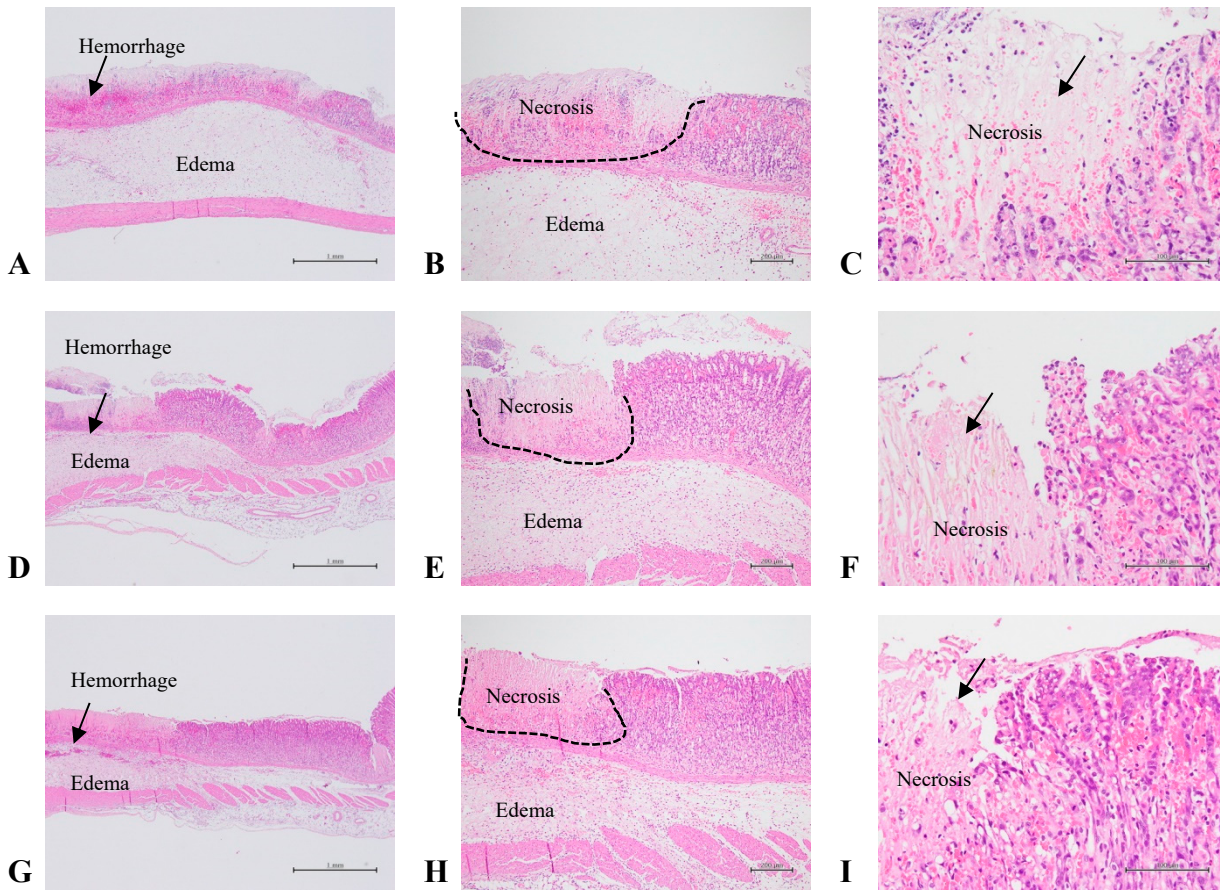


Figure S1B. Histopathological changes of the stomach in the protective effects of *A. indica* HP813 powder on gastric mucosa in rats – low, middle and high-dose group. The 70% ethanol caused multifocal minimal to moderate/severe degeneration/necrosis with hemorrhage, inflammation and edema and hemorrhage in the mucosa of the stomach in the low (A-C. animal code: 302), middle (D-F. animal code: 409) and high-dose (G-I. animal code: 508). The severity score of necrosis was 2.9 ± 0.8 , 2.4 ± 0.7 and 2.3 ± 0.8 in the low, middle and high-dose groups, respectively. H&E stain, 40x, 100x, 400x. Arrow.

Table S1. The IHC intensity of immune reaction by semi-quantitatively analyze.

	Intensity		
	TNF- α	NF- κ B	I κ B- α
Control	1.14 $\pm$ 0.03	2.27 $\pm$ 0.01	3.26 $\pm$ 0.06
Positive control	2.30 $\pm$ 0.03	3.29 $\pm$ 0.04	2.17 $\pm$ 0.02
HP813 Low dose	2.00 $\pm$ 0.09*	3.02 $\pm$ 0.07*	2.78 $\pm$ 0.04*
HP813 Medium dose	1.74 $\pm$ 0.06*	2.64 $\pm$ 0.07*	3.07 $\pm$ 0.19*
HP813 High dose	1.35 $\pm$ 0.07*	2.48 $\pm$ 0.02*	3.27 $\pm$ 0.05*

* Statistically significant difference between the positive control and treatment groups at $p < 0.05$.