Electronic Supplementary Material (ESI) for Molecular BioSystems.

Supplementary Materials

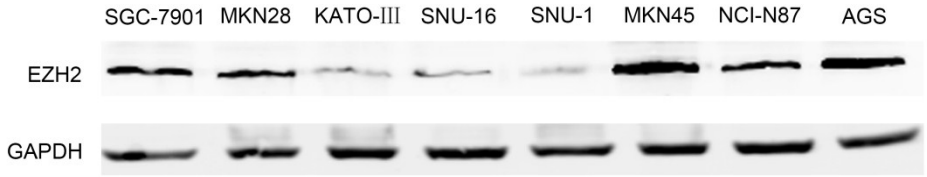

Fig. S1 Western blot analysis of EZH2 protein expression in gastric cancer cells.

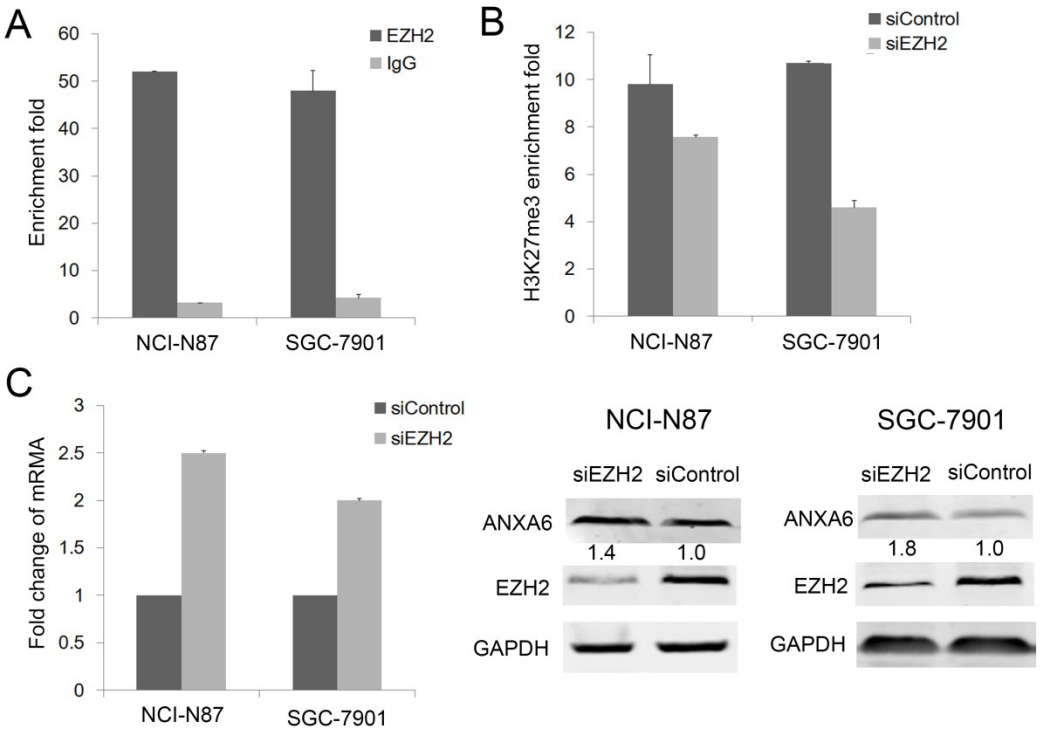

Fig. S2 *ANXA6* is a new target of EZH2 in GC cells

(A) ChIP-qPCR analysis of EZH2 in the *ANXA6* promoter of NCI-N87 and SGC-7901. Enrichment fold was calculated as $2^{-\Delta\Delta Ct}$ (means ± SEM, n=3). (B) ChIP-qPCR analysis of H3K27me3 in the *ANXA6* promoter of NCI-N87 and SGC-7901 in control or GC cells transfected with siEZH2. Enrichment fold was calculated as $2^{-\Delta\Delta Ct}$ (means ± SEM., n=3) (C) *ANXA6* expression measured by qPCR and western blot in NCI-N87 and SGC-7901 cells upon *EZH2* knockdown. Expression of *ANXA6* was normalized to GAPDH and calculated as $2^{-\Delta\Delta Ct}$ (means ± SEM, n=3). Western blot

was employed to quantify the relative gray scale of each band blot by the software of Odyssey infrared imaging system. The gray scale of ANXA6 band blot in siControl was defined as 1.0.