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Discovery of new targets of phenolic acids in Danshen using label-free cell phenotypic assay

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SUMMARY

This supporting information file includes additional information and results as described in the article.

Fig. S1 The expression level of GPR35 in HT-29 and A431 cells. (a) Western blot assay of GPR35 protein in HT-29 and A431 cells. (b) DMR response of the known agonist zaprinast (10 μ M) in HT-29 and A431 cells.

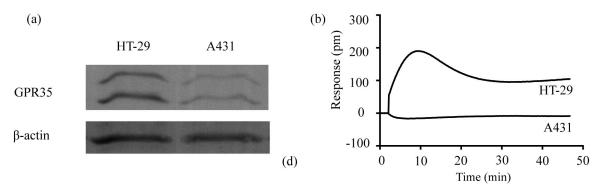


Fig. S2 The DMR amplitudes of compounds as a function of ML145 doses in HT-29 cells after pre-treated with ML145 for 10 min. (a) Lithospermic acid, salvianolic acid B and danshensu at their EC₈₀ of 125 μM, 100 μM and 100 μM, respectively; (b) salvianolic acid A and salvianolic acid C at their EC₈₀ of 125 μM and 100 μM, respectively; (c) salvianolic acid A and salvianolic acid C at their EC₅₀ of 35 μM and 20 μM, respectively; (d) salvianolic acid A and salvianolic acid C at their EC₂₀ of 15 μM and 4 μM, respectively. All data represents mean \pm s.d. from 2 independent measurements, each in duplicate (n = 4).

