Supplemental Information

TNFAIP8 Promotes Cisplatin Chemoresistance in Triple-Negative Breast Cancer by Repressing p53-Mediated miR-205-5p Expression

Hong-Yu Ma, Yang Li, Hui-Zi Yin, Hang Yin, Yuan-Yuan Qu, and Qing-Yong Xu
Figure S1. The densitometric analysis of the western blot results shown in Figure 4. (A) The relative protein expression levels of E2F1, CCNJ, TGFA, TRAF2 and TNFAIP8 in MDA-MB-231 cells (upper panel) and BT549 cells (lower panel) were determined by calculating the band-density ratio of the target protein to the corresponding actin. (B) The relative protein phosphorylation levels of p65 and p-Akt in MDA-MB-231 cells (left panel) and BT549 cells (right panel) were determined by calculating the band-density ratio of p-p65 to p65 or p-Akt to Akt, while the relative protein expression level of Cyclin D1 in MDA-MB-231 cells (left panel) and BT549 cells (right panel) was determined by calculating the band-density ratio of Cyclin D1 to the corresponding actin. *** p< 0.001, ** p< 0.01, * p< 0.05.
Figure S2. The densitometric analysis of the western blot results shown in Figure 5. (A) The relative protein expression levels of TRAF2 and TNFAIP8 in MDA-MB-231 cells (left panel) and BT549 cells (right panel) were determined by calculating the band-density ratio of the target protein to the corresponding -actin. (B) The relative protein phosphorylation level of p65 in MDA-MB-231 cells (left panel) and BT549 cells (right panel) was determined by calculating the band-density ratio of p-p65 to p65, while the relative protein expression level of TRAF2 and TNFAIP8 in MDA-MB-231 cells (left panel) and BT549 cells (right panel) was determined by calculating the band-density ratio of the target protein to the corresponding -actin. *** p< 0.001, ** p< 0.01, * p< 0.05.
Figure S3. The densitometric analysis of the western blot results is shown in Figure 6. (A) The relative protein expression levels of TNFAIP8, TRAF2 and TGFA in MDA-MB-231 cells were determined by calculating the band-density ratio of the target protein to the corresponding actin. The relative protein phosphorylation levels of p65 and Akt in MDA-MB-231 cells were determined by calculating the band-density ratio of p-p65 to p65 or p-Akt to Akt. *** p< 0.001, ** p< 0.01, * p< 0.05.

Figure S4. IHC staining of TNBC tumour tissues with normal IgG control. Tumour and peritumour tissues were collected from 30 patients with triple-negative invasive...
ductal carcinoma (IDC) of the breast. Normal rabbit IgG antibody was used to perform the IHC assay as the control for the staining of TNFAIP8.

Figure S5. IHC staining of tissues from mouse xenograft TNBC tumours with normal IgG control. Mouse xenograft TNBC tumour tissues were collected, fixed, and sectioned into 6-nm-thick pieces. Normal rabbit IgG antibody was used to perform the IHC assay as the control for the staining of TNFAIP8 and TRAF2.