Supplementary information

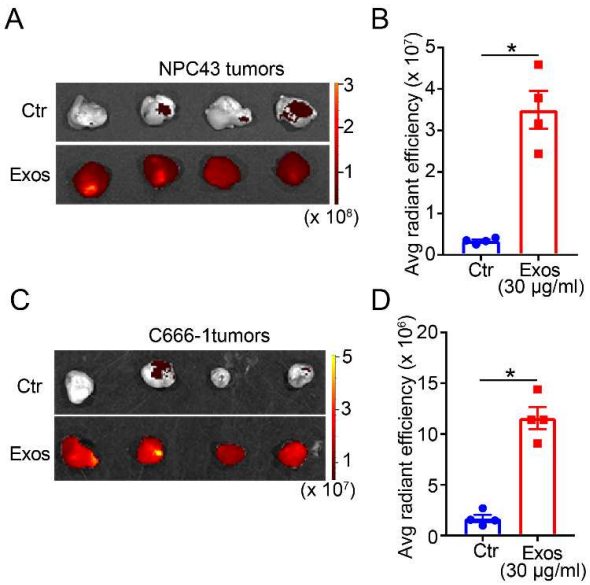

Fig. s1 γδ-T-Exos accumulate in NPC tumors in vivo.

DiR-labelled γδ-T-Exos (30 μg/mouse) were intraperitoneally injected into NPC43 tumor or C666-1 tumor-bearing mice (n = 4). Tumor tissues were harvested 24 hours later and the fluorescence density of DiR was determined ex vivo using an *In Vivo Imaging System*. Pellets isolated from non-conditioned FBS-exosome-free medium without γδ-T cell components were used as control (Ctr). Representative figures **(A)** and analysis **(B)** of DiR intensity in NPC43 tumors. Representative figures **(C)** and analysis **(D)** of DiR intensity in C666-1 tumors. Quantitative data are shown as mean ± SEM. Statistical significances were determined by Mann-Whitney U test. *$p < 0.05$.

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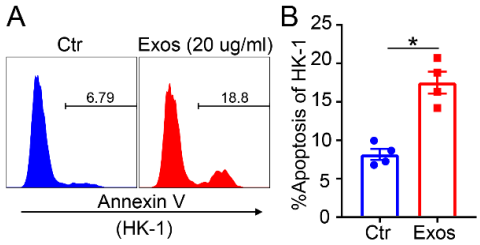

Fig. s2 γδ-T-Exos induce the apoptosis of EBV-negative NPC cells.
EBV-negative NPC cells, HK-1, were treated with γδ-T-Exos (Exos; 20 μg/ml) or control (Ctr) for 18 h, then the expression of Annexin V was determined by flow cytometry. Representative figures **(A)** and analysis **(B)** of Annexin V in HK-1 cells. Quantitative data are shown as mean ± SEM from four biological replicates. Statistical analysis was determined by Mann-Whitney U test. *p < 0.05.

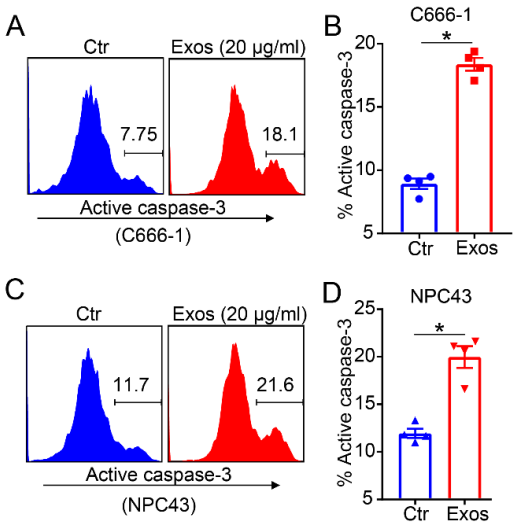

Fig. s3 γδ-T-Exos induce the expression of active caspase-3 in NPC cells.

Active caspase-3 was measured in C666-1 or NPC43 cells after cultured with γδ-T-Exos (Exos; 20 μg/ml) or control (Ctr) for 4 h. Representative figures **(A)** and analysis **(B)** of active caspase-3 in C666-1 cells. Representative figures **(C)** and analysis **(D)** of active caspase-3 in NPC43 cells. Quantitative data are shown as mean ± SEM from four biological replicates. Statistical analysis was determined by Mann-Whitney U test. *$p < 0.05$.

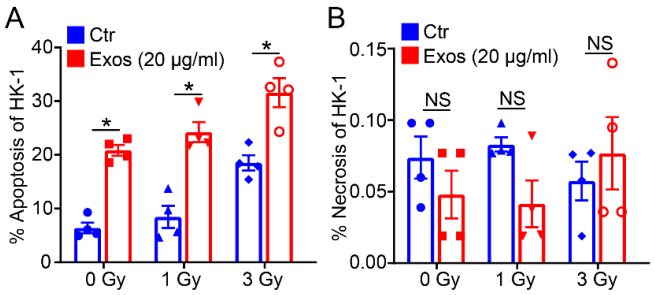

Fig. s4 The effects of combination therapy using γδ-T-Exos and radiotherapy on the cell death of EBV-negative NPC cells.

EBV-negative NPC cells, HK-1, were irradiated (IR) at 0, 1, or 3 Gy, then cultured in the presence of PBS (Ctr) or γδ-T-Exos (Exos; 20 μg/ml). 24 h later, the cell apoptosis (Annexin V^+) and necrosis (AnnexinV^- PI^+) were detected by flow cytometry. Apoptosis **(A)** and necrosis **(B)** in HK-1 cells. Quantitative data are shown as mean ± SEM from four biological replicates. Statistical significances were determined by Mann-Whitney U test. *p < 0.05. NS, not significant.

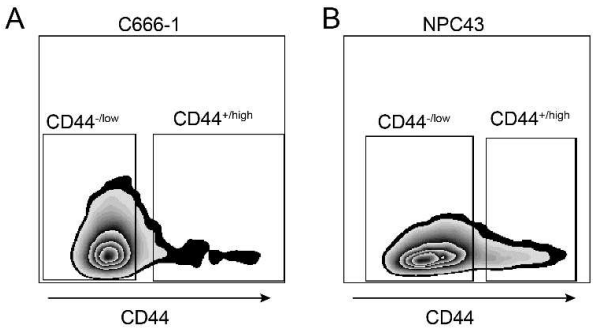

Fig. s5 Gating of CD44$^{-/low}$ or CD44$^{+/high}$ NPC cells.

C666-1 **(A)** and NPC43 **(B)** cells were stained with anti-CD44 antibody and subjected to the detection of CD44 expression on NPC cells by flow cytometry. The representative figures of CD44 gating are shown (N=4).

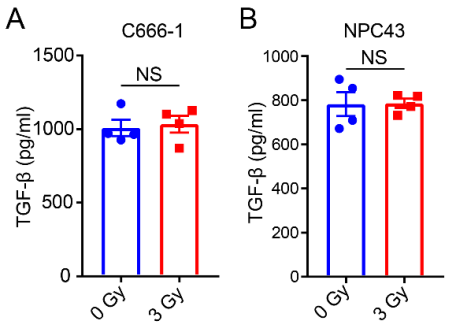

Fig. s6 Influence of irradiation on the secretion of TGF-β from NPC cells.
C666-1 **(A)** or NPC43 cells **(B)** were irradiated at 0 or 3 Gy and cultured for 24 hours. The culture supernatant was harvested for detection of TGF-β. Quantitative data are shown as mean ± SEM (N = 4). Statistical significances were determined by Mann-Whitney U test. NS, not significant.