

Tβ4-17 peptide enhances the chemo-sensitivity of ovarian cancer cells to DDP by affecting NF-κB signaling pathway

Medical Oncology

Ling Guo^{1#}, Haibing Wang^{1#}, Nana Li¹, Jing Wang¹, Ming Yu¹, Yingxu Li¹, Peihua Yan¹, Lichen Teng^{1*} and Yajuan Su^{1*}

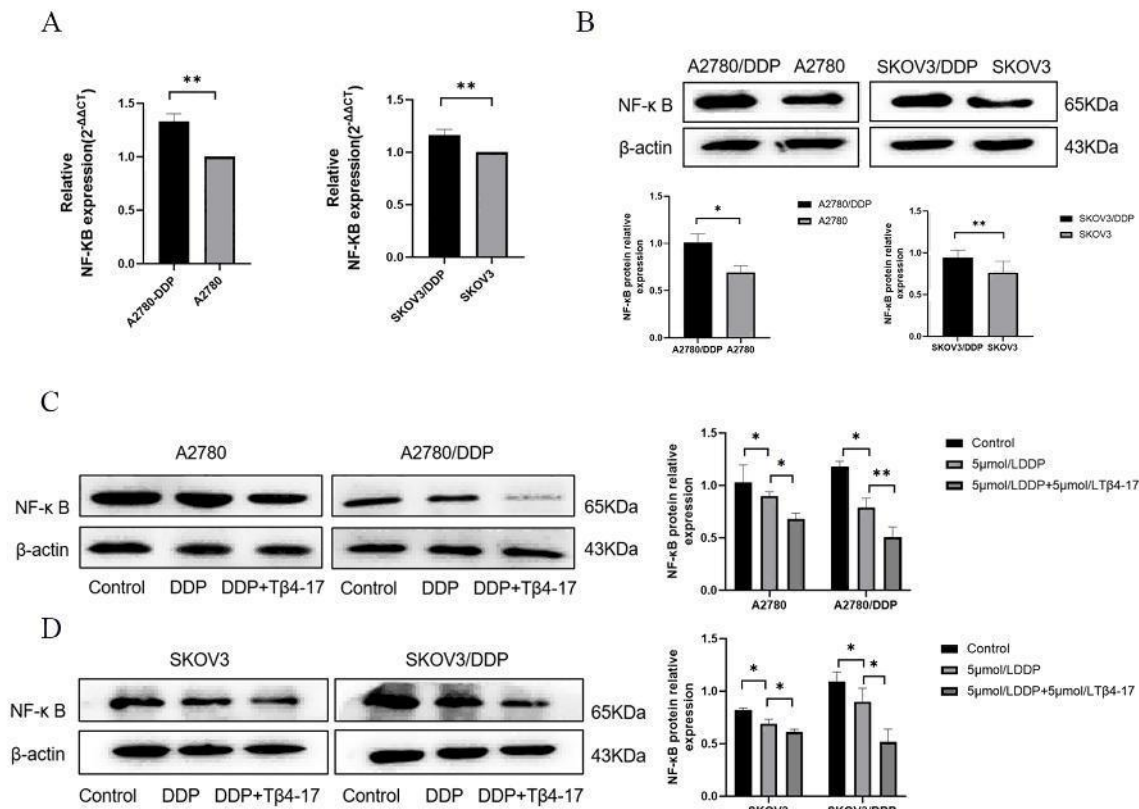
Correspondence: Lichen Teng, Department of Clinical Laboratory, Harbin Medical University Cancer Hospital, Harbin, 150 Haping Road,150040, China; E-mail: tengluchen2008@sina.com
Yajuan Su, Department of Clinical Laboratory, Harbin Medical University Cancer Hospital, Harbin, 150 Haping Road,150040, China; E-mail: 2311@hrbmu.edu.cn

* Co-Corresponding authors.

#Ling Guo and Haibing Wang contributed equally to this work.

Original Western blot images

Figure 4. Tβ4-17 regulated NF-κB expression.



(B) The following four images show the raw data for Figure 4B, displaying the expression levels of the target and loading-control proteins in A2780/DDP, A2780, SKOV3/DDP, and SKOV3 cells. For A2780/DDP and A2780, the upper two bands were used for NF- κ B quantification.

1. A2780DDP and A2780 actin



2. A2780DDP and A2780 NF- κ B



3. SKOV3DDP and SKOV3 actin



4. SKOV3DDP and SKOV3 NF- κ B



(C,D) Image of NF- κ B protein expression and relative expression in A2780, A2780/DDP, SKOV3 and SKOV3/DDP cells treated with T β 4-17 in combination with DDP.

1.A2780 actin

(The three leftmost bands represent the original data.)



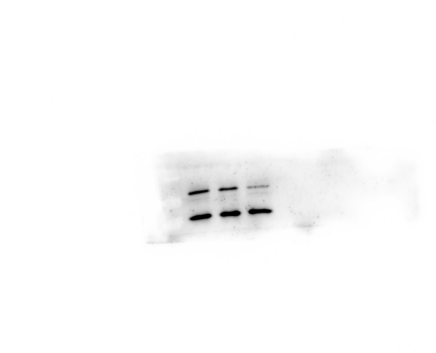
2. A2780 NF- κ B

(The three leftmost bands represent the original data.)



3. A2780/DDP NF- κ B

(The upper bands correspond to the target protein, and the lower bands correspond to the loading control.)



4. SKOV3 actin

(The three leftmost bands represent the original data.)



5. SKOV3 NF- κ B

(The three leftmost bands represent the original data.)



6. SKOV3DDP actin

(The three leftmost bands represent the original data.)



7. SKOV3DDP NF- κ B

(The three bands in the top-left panel are the original data.)

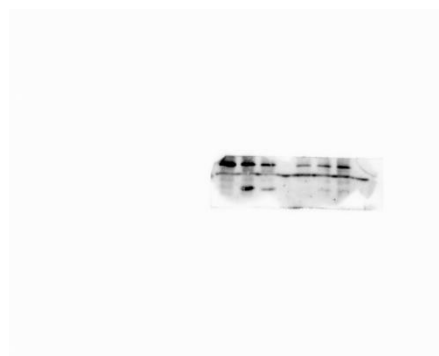
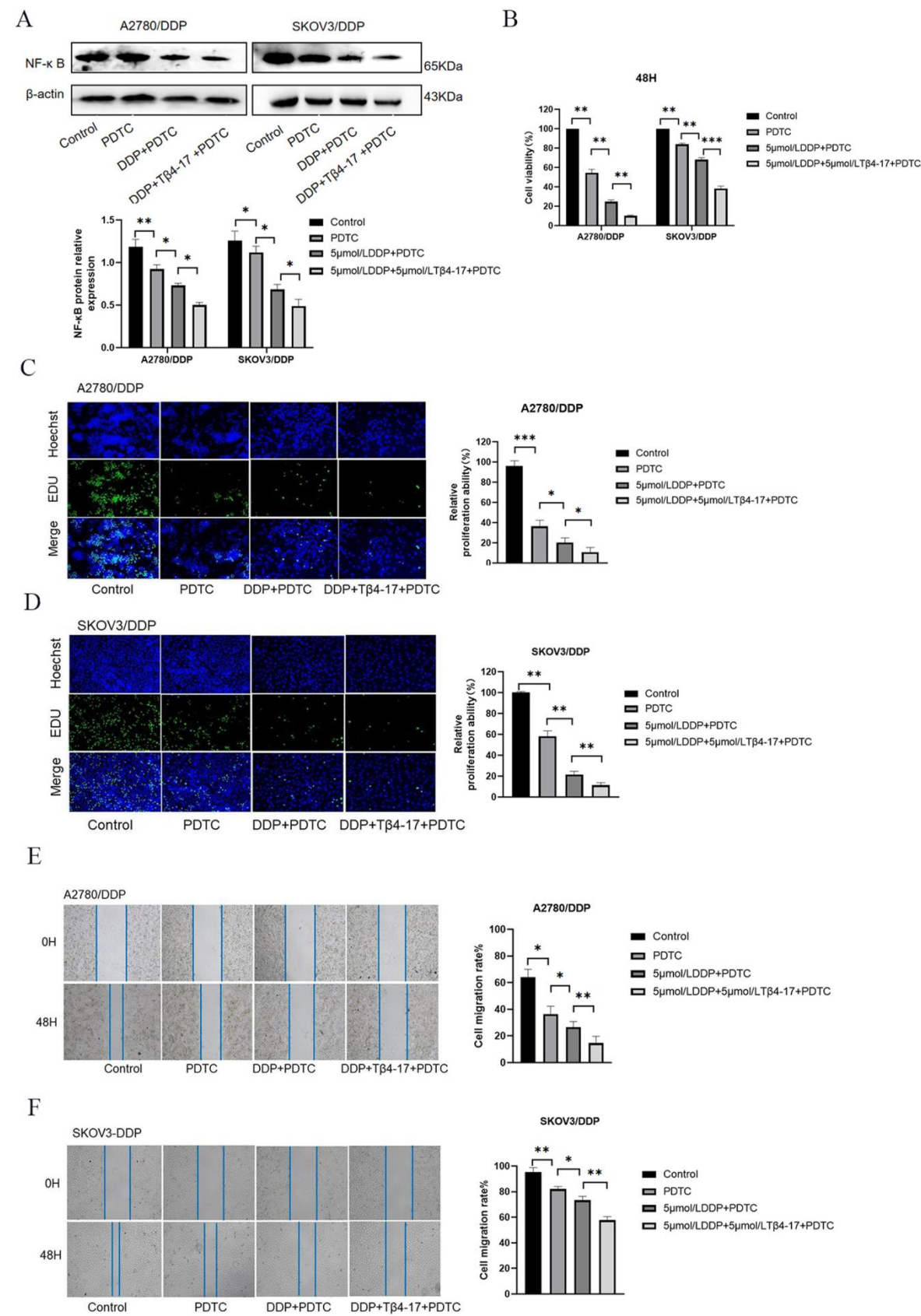


Figure 5. Effect of Tβ4-17 on drug resistance cells of ovarian cancer after application of PDTC.



(A) NF- κ B protein expression map and relative expression of NF- κ B protein in T β 4-17-treated A2780/DDP and SKOV3/DDP cells after application of NF- κ B inhibitors.

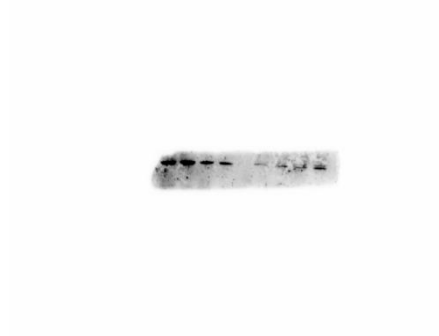
1. A2780DDP actin

(The four bands on the left are the original data.)



2. A2780DDP NF- κ B

(The four bands on the left are the original data.)



3. SKOV3DDP actin



4. A2780DDP NF- κ B (The four bands below are the original data.)

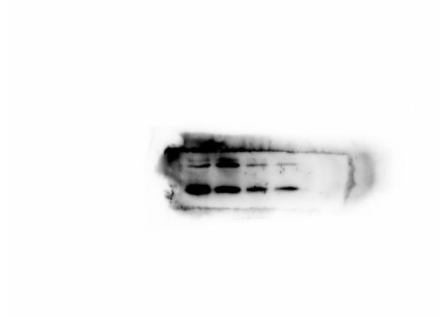
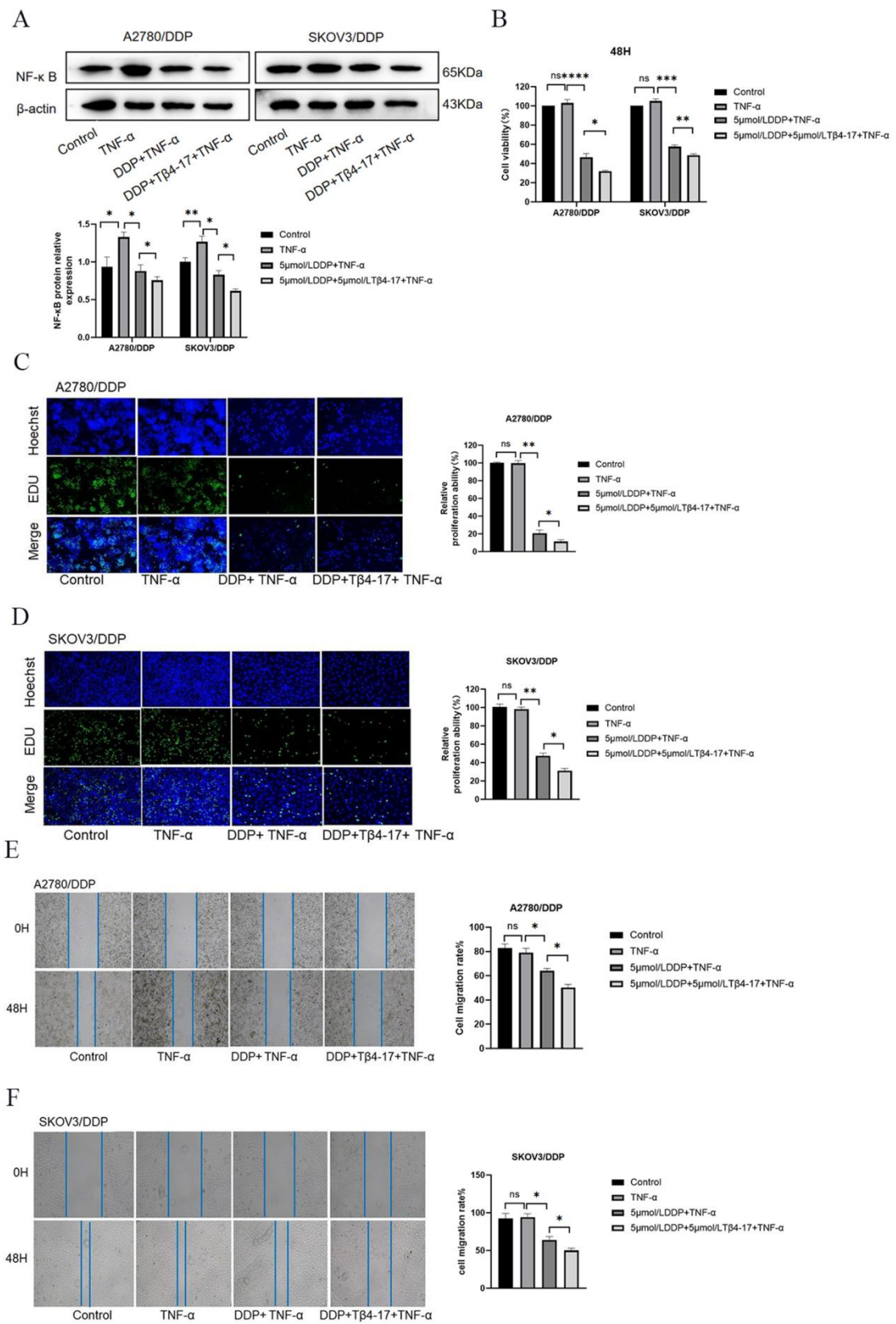


Figure 6. Effect of Tβ4-17 on drug resistance cells of ovarian cancer after application of TNF-α.



(A) Images of NF- κ B protein expression and relative expression in T β 4-17-treated A2780/DDP, SKOV3/DDP cells following NF- κ B agonist application.

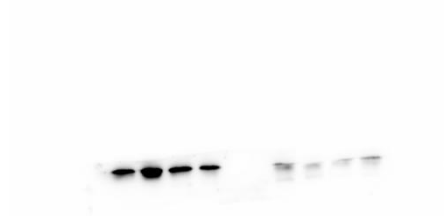
1. A2780/DDP actin

(The four bands on the left are the original data.)



2. A2780/DDP NF- κ B

(The four bands on the left are the original data.)



3. SKOV3/DDP actin

(The four bands on the left are the original data.)



4. SKOV3/DDP NF- κ B (The four bands on the left are the original data.)

