Electronic Supplementary Material (ESI) for Nanoscale Advances.
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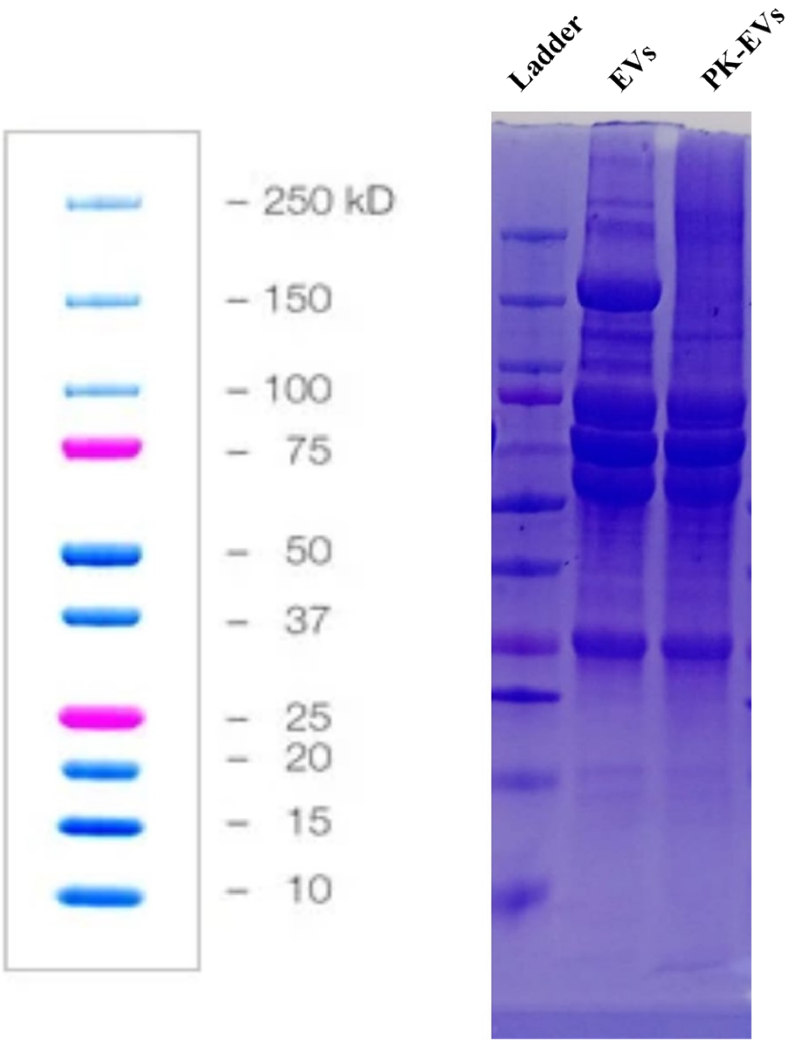
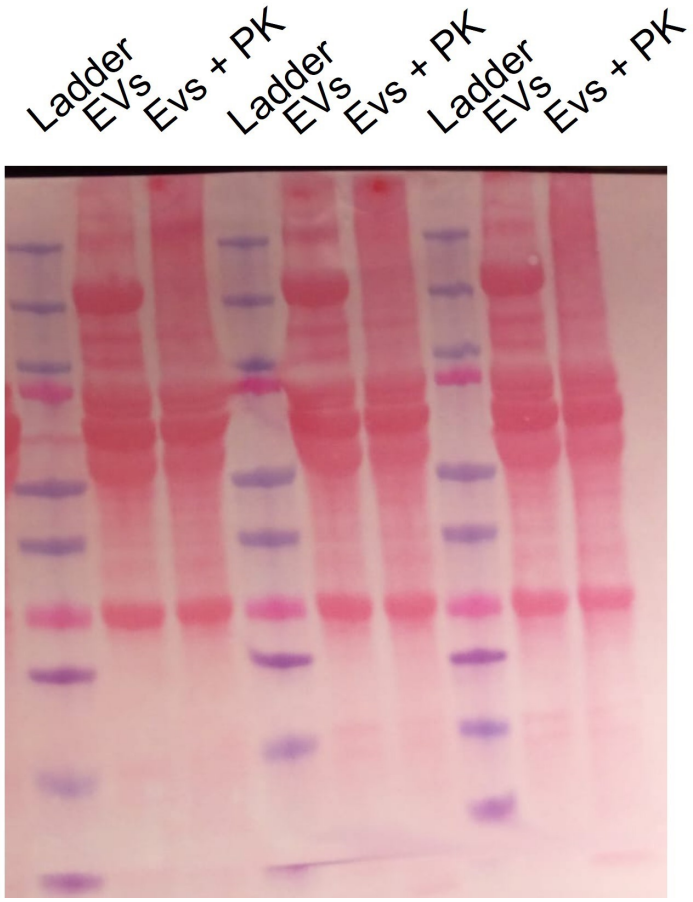
Electronic Supplementary Information II

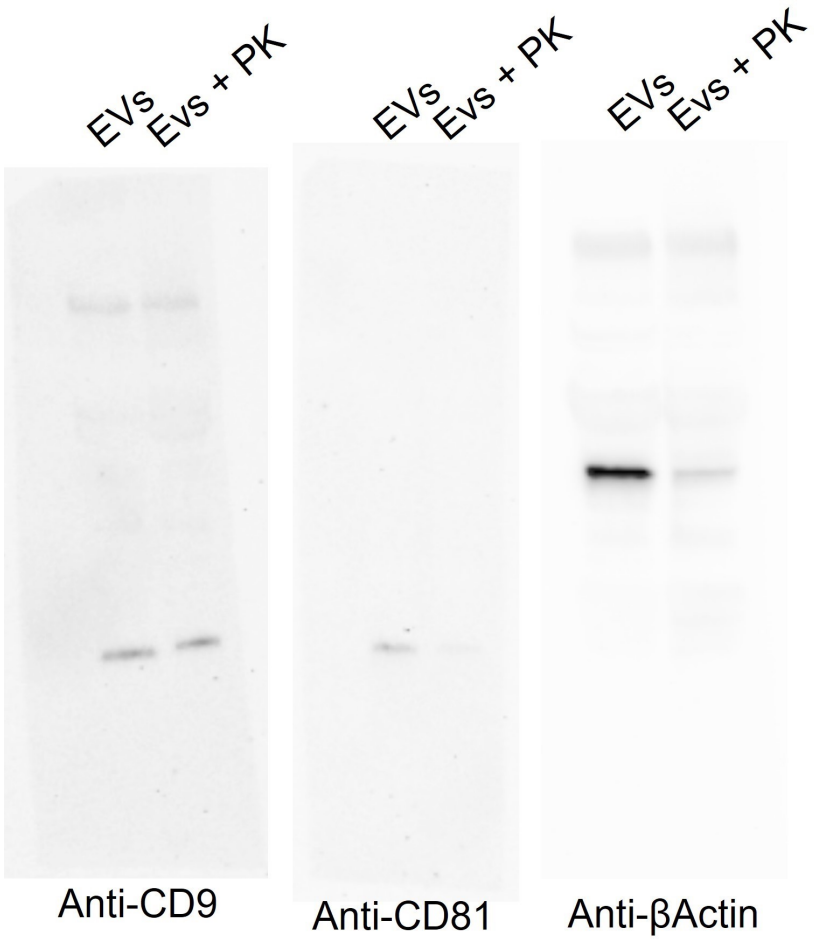
COMPARTMENTALIZED DRUG LOCALIZATION STUDIES IN EXTRACELLULAR VESICLES FOR ANTICANCER THERAPY



ESI Fig 1: SDS-PAGE of EVs treated with Proteinase-K Enzymes.



ESI Fig 2: Ponceau S staining of PVDF membrane showing transfer of protein bands of EVs treated with Proteinase-K Enzymes.



ESI Fig 3: Western blot full images of PK studies in EV, showing the characteristic marker proteins CD-9 and CD-81.

Western blot Methodology:

1. Figure S3 SDS-PAGE PK studies: missing ladders and the images are too faint- For comparing the SDS-PAGE with ladders, Please refer to our Ponceau stain image (in Supporting information, ESI Fig 2) above. The ponceau staining shows the transfer of gel to blot-with respective markers and the PK studies bands. For WB, we blotted only with anti-CD 9 and Anti-CD 81 for the need of the study, and not the WB detectable ladders. The faint bands are the actual ones, without contrast.

2. Figure S3 WB uncropped images: The Western Blots control ladder being cropped-. Please refer the above answer and the original uncropped ponceau staining images of the same. For WB, we run gels with the sequences (Ladder-EV-PKEV-Ladder-EVPKEV-Ladder-EV-PKEV-Ladder)- transferred, cropped between the ladders and blotted only with anti-CD 9 and Anti-CD 81 for the need of the study. Uncropped controls were presented in the ponceau staining.

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