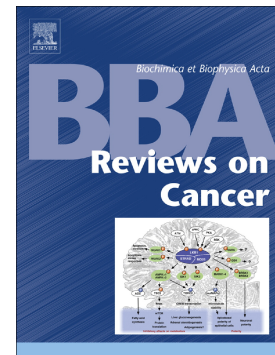


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Extracellular vesicles as emerging targets in cancer: recent development from bench to bedside

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Abbreviations:

EV(s), extracellular vesicle(s); MV(s), microvesicle(s); AB(s), apoptotic bodie(s); TME, tumor microenvironment; TfRs, transferrin receptors; MVE, multivesicular endosomes; MHC, major histocompatibility complex; miRNAs, microRNAs; PCa, prostate cancer; ESCRT, Endosomal Sorting Complex Required for Transport; nSMase2, neutral sphingomyelinase 2; HSPG, heparan sulfate proteoglycan; VPS, Vacuolar Protein Sorting; THPO, thrombopoietin; ANGPTLs, angiopoietin-like proteins; SIMPLE, small integral membrane protein of the lysosome/late endosome; CRC, colorectal cancer; EBV, Epstein Barr virus; LMP1, latent membrane protein 1; hnRNP, heterogeneous nuclear ribonucleoprotein; lncRNAs, long non-coding RNAs; MVP, Major vault protein; Ndfip1, Nedd4 family-interacting protein 1; 3'UTR, 3'-untranslated region; RISC, RNA-induced silencing complex; CCM, cell culture media; HDLs, high-density lipoproteins; PEG, polyethylene glycol; SEC, size-exclusion chromatography; THP, Tamm–Horsfall glycoprotein; ncRNAs, non-coding RNAs; CAFs, Cancer-associated fibroblasts; MSCs, mesenchymal stem cells; MET, mesenchymal-to-epithelial transition; LINC00152, long intergenic non-protein coding RNA 152; SOC, standard of care; PSA, prostate-specific antigen; dsDNA, double-stranded DNA; NSCLC, non-small cell lung cancer; GPC1, glypican-1; GBM, glioblastoma multiforme; ILVs, intraluminal vesicles; BIG, Brefeldin A-inhibited guanine nucleotide-exchange protein; ARF(s), ADP-ribosylation factor(s); PLD2, phospholipase D2; PLA, proximity ligation assay.

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