

- Commun Signal 2019;17:167.
28. Zhang X, Wang H, Li Q, Li T. CLDN2 inhibits the metastasis of osteosarcoma cells via down-regulating the afadin/ERK signaling pathway. *Cancer Cell Int* 2018;18:160.
 29. van Itallie CM, Anderson JM. Architecture of tight junctions and principles of molecular composition. *Semin Cell Dev Biol* 2014;36:157-65.
 30. Oliveto S, Alfieri R, Miluzio A, Scagliola A, Secli RS, Gasparini P, et al. A polysome-based microRNA screen identifies miR-24-3p as a novel promigratory miRNA in mesothelioma. *Cancer Res* 2018;78:5741-53.
 31. Zhang L, Feng T, Spicer LJ. The role of tight junction proteins in ovarian follicular development and ovarian cancer. *Reproduction* 2018;155:R183-98.
 32. Kim N, Do J, Bae JS, Jin HK, Kim JH, Inn KS, et al. Piperlongumine inhibits neuroinflammation via regulating NF-kappaB signaling pathways in lipopolysaccharide-stimulated BV2 microglia cells. *J Pharmacol Sci* 2018;137:195-201.
 33. Silva-Vaz P, Abrantes AM, Castelo-Branco M, Gouveia A, Botelho MF, Tralhao JG. Multifactorial scores and biomarkers of prognosis of acute pancreatitis: applications to research and practice. *Int J Mol Sci* 2020;21:338.
 34. Yuan W, Zhou R, Wang J, Han J, Yang X, Yu H, et al. Circular RNA Cdr1as sensitizes bladder cancer to cisplatin by upregulating APAF1 expression through miR-1270 inhibition. *Mol Oncol* 2019;13:1559-76.
 35. Zhao Z, Ji M, Wang Q, He N, Li Y. Circular RNA Cdr1as upregulates SCAI to suppress cisplatin resistance in ovarian cancer via miR-1270 suppression. *Mol Ther Nucleic Acids* 2019;18:24-33.
 36. Yi T, Zhou X, Sang K, Zhou J, Ge L. MicroRNA-1270 modulates papillary thyroid cancer cell development by regulating SCAI. *Biomed Pharmacother* 2019;109:2357-64.
 37. Wei L, Li P, Zhao C, Wang N, Wei N. Upregulation of microRNA-1270 suppressed human glioblastoma cancer cell proliferation migration and tumorigenesis by acting through WT1. *Onco Targets Ther* 2019;12:4839-48.
 38. Hassan M, Watari H, Abualmaaty A, Ohba Y, Sakuragi N. Apoptosis and molecular targeting therapy in cancer. *Biomed Res Int* 2014;2014:150845.
 39. Giampazolias E, Tait SWG. Caspase-independent cell death: An anti-cancer double whammy. *Cell Cycle* 2018;17:269-70.
 40. Nishimura A, Akeda K, Matsubara T, Kusuzaki K, Matsumine A, Masuda K, et al. Transfection of NF-kB decoy oligodeoxynucleotide suppresses pulmonary metastasis by murine osteosarcoma. *Cancer Gene Ther* 2011;18:250-9.
 41. Nilchian A, Johansson J, Ghalali A, Asanin St, Santiago A, Rosencrantz O, et al. CXADR-mediated formation of an AKT inhibitory signalosome at tight junctions controls epithelial-mesenchymal plasticity in breast cancer. *Cancer Res* 2019;79:47-60.
 42. Ginzburg S, Golovine KV, Makhov PB, Uzzo RG, Kutikov A, Kolenko VM. Piperlongumine inhibits NF-kappaB activity and attenuates aggressive growth characteristics of prostate cancer cells. *Prostate* 2014;74:177-86.
 43. Cen J, Feng L, Ke H, Bao L, Li LZ, Tanaka Y, et al. Exosomal thrombospondin-1 disrupts the integrity of endothelial intercellular junctions to facilitate breast cancer cell metastasis. *Cancers (Basel)* 2019;11:1946.
 44. Liu Z, Chen SG, Yang YZ, Lu SJ, Zhao XM, Hu B, et al. miR-29a inhibits adhesion, migration, and invasion of osteosarcoma cells by suppressing CDC42. *Int J Clin Exp Pathol* 2019;12:4171-80.

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