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Sinomenine inhibits breast cancer cell invasion and migration by suppressing NF- κ B activation mediated by IL-4/miR-324-5p/CUEDC2 axis

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1 **Title:** Sinomenine inhibits breast cancer cell invasion and migration by suppressing NF- κ B
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Abbreviations: Nuclear factor kappa-light-chain-enhancer of activated B cells (**NF- κ B**); epithelial- mesenchymal transition (**EMT**); inhibitor of NF- κ B (**I κ B**); I κ B kinase (**IKK**); phosphorylated IKK (**pIKK**); interleukin-4 (**IL-4**); CUE domain-containing 2 (**CUEDC2**); t-butyl dimethylsilyl-Triton X-100 (**TBS-T**); Horseradish Peroxidase (**HRP**); cholecystokinin (**CCK**); monocyte chemoattractant protein-1 (**MCP-1**); interleukin-11 (**IL-11**); TNF receptor-associated factor 2 (**TRAF2**); Repeat-induced point mutation (**RIP**); mitogen-activated protein kinase kinase kinase 14 (**NIK**).

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