

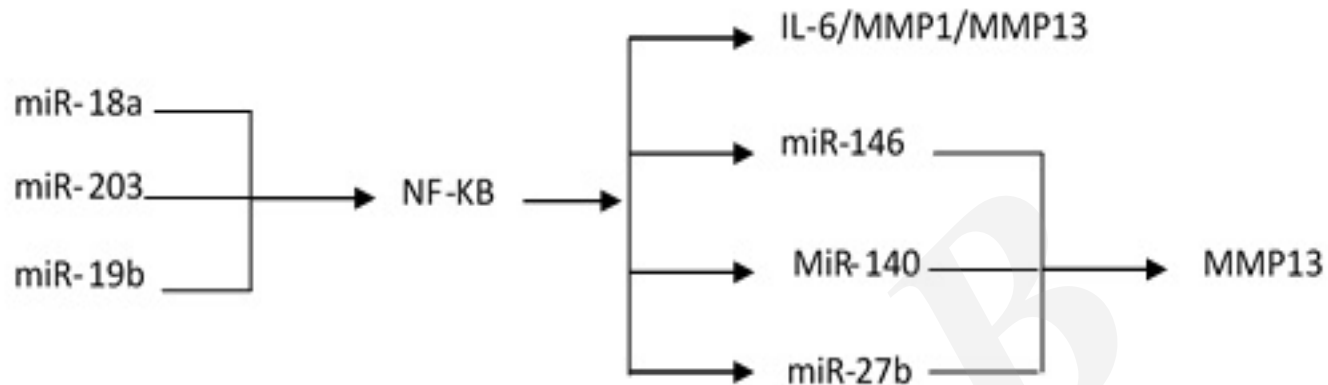
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# **Roles of microRNA and a signaling pathway in osteoarthritis pathogenesis**

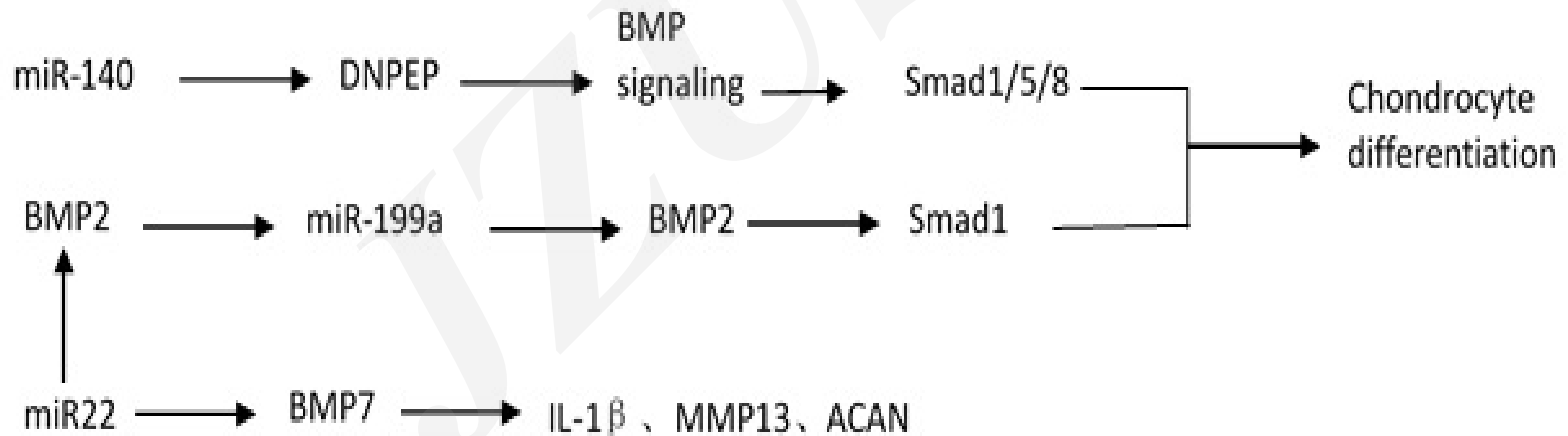
**Key words:** MicroRNA, Signaling pathway, Osteoarthritis, Pathogenesis

# ***Research Summary***

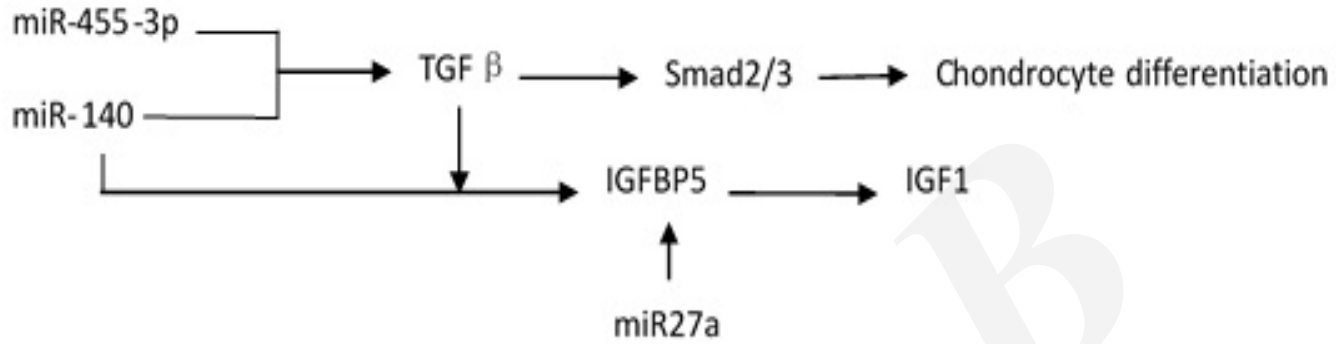
This article reviews the roles of miRNAs and signaling pathways in OA, looking toward having a better understanding of its pathogenesis mechanisms and providing new therapeutic targets for its treatment.



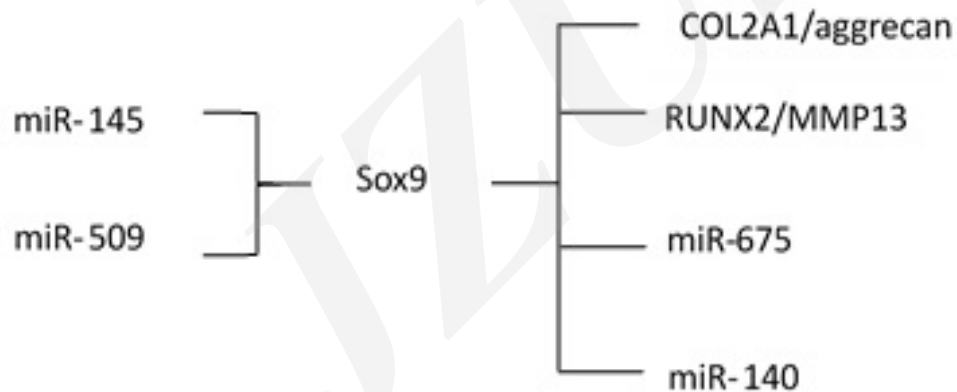
**Fig.1 MirRNAs and NF-κB signaling pathway**



**Fig.2 MirRNAs and BMP signaling pathway**



**Fig.3 MirRNAs and TGFβ signaling pathway**



**Fig.4 MirRNAs and SOX9 signaling pathway**