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Author: Yuanhu Xuan Lisha Chi Haishan Tian Wanhui Cai
Congcong Sun Tao Wang Xuan Zhou Minglong Shao Yuting
Zhu Chao Niu Yusheng Sun Weitao Cong Zhongxin Zhu
Zhaoyu Li Yang Wang Litai Jin



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The activation of the NF- κ B-JNK pathway is independent of the PI3K-Rac1-JNK pathway involved in the bFGF-regulated human fibroblast cell migration

Yuanhu Xuan^{1#}, Lisha Chi^{1#}, Haishan Tian^{1#}, Wanhui Cai¹, Congcong Sun¹, TaoWang¹, Xuan Zhou², Minglong Shao¹, Yuting Zhu¹, Chao Niu¹, Yusheng Sun³, Weitao Cong¹, Zhongxin Zhu¹, Zhaoyu Li¹, Yang Wang^{4*}, Litai Jin^{1*}

1, School of Pharmaceutical Sciences, Key Laboratory of Biotechnology Pharmaceutical Engineering, Wenzhou Medical University, Wenzhou 325000, China

2, Ningbo First Hospital, Ningbo315000, China

3, The First Affiliated Hospital of Wenzhou Medical University, Wenzhou325000, China

4, Institute of neuroscience, Department of histology and embryology, Wenzhou Medical University, Wenzhou 325000, China

* Co-corresponding authors

[#]These authors contributed equally to this work

Dr. Litai Jin, E-Mail: jin_litai@126.com; Tel: +86-136-7670-6870;

Dr. Yang Wang, E-Mail: wy2010@wzmc.edu.cn; Tel: +86-136-7646-3524

Highlights

1. RNA-Seq based transcriptome analysis was introduced to isolate bFGF-regulating signal pathways that regulate cell migration.
2. Many pathways including Wnt, Hippo, ECM, Hedgehog, and NF- κ B signaling pathways are regulated by bFGF signaling.
3. We identified bFGF-NF- κ B-JNK pathway by which fibroblast cell migration is regulated.
4. NF- κ B pathway regulates JNK activity is independent of the PI3K-Rac1 signaling pathway.

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