

Accepted Manuscript

Cooperativity of HOXA5 and STAT3 is critical for HDAC8 inhibition-mediated transcriptional activation of PD-L1 in human melanoma cells

Yu Fang Wang, Fen Liu, Simonne Sherwin, Margaret Farrelly, Xu Guang Yan, Amanda Croft, Tao Liu, Lei Jin, Xu Dong Zhang, Chen Chen Jiang

PII: S0022-202X(17)33164-0

DOI: [10.1016/j.jid.2017.11.009](https://doi.org/10.1016/j.jid.2017.11.009)

Reference: JID 1175

To appear in: *The Journal of Investigative Dermatology*

Received Date: 16 August 2017

Revised Date: 27 October 2017

Accepted Date: 6 November 2017

Please cite this article as: Wang YF, Liu F, Sherwin S, Farrelly M, Yan XG, Croft A, Liu T, Jin L, Zhang XD, Jiang CC, Cooperativity of HOXA5 and STAT3 is critical for HDAC8 inhibition-mediated transcriptional activation of PD-L1 in human melanoma cells, *The Journal of Investigative Dermatology* (2017), doi: 10.1016/j.jid.2017.11.009.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Cooperativity of HOXA5 and STAT3 is critical for HDAC8 inhibition-mediated transcriptional activation of PD-L1 in human melanoma cells

Yu Fang Wang,^{1,2} Fen Liu,¹ Simonne Sherwin,² Margaret Farrelly,² Xu Guang Yan,² Amanda Croft,² Tao Liu,³ Lei Jin,⁴ Xu Dong Zhang,^{2,*} Chen Chen Jiang^{4,*}

¹Department of Pathophysiology, School of Preclinical and Forensic Medicine, Sichuan University, Chengdu, P.R. China.

²School of Biomedical Sciences and Pharmacy, The University of Newcastle, NSW, 2308, Australia

³Children's Cancer Institute Australia for Medical Research, University of New South Wales, NSW 2052, Australia

⁴School of Medicine and Public Health, The University of Newcastle, NSW, 2308, Australia

*Correspondence: Chen Chen Jiang or Xu Dong Zhang, LS3-49, Life Science Building, University of Newcastle, Callaghan, NSW, Australia.

Ph: 61 2 49218906. Fax: 61 2 49217311.

Email: Chenchen.Jiang@newcastle.edu.au or Xu.Zhang@newcastle.edu.au

Running title: HDAC8 controls HOXA5-mediated regulation of PD-L1

Abbreviations: PD-L1: programmed death-ligand 1; HDACs: histone deacetylases; HOXA5: homeobox A5; STAT3: signal transducer and activator of transcription 3; NF- κ B: nuclear factor kappa-light-chain-enhancer of activated B cells; HIF-1 α : hypoxia-inducible factor alpha; MYC: v-myc avian myelocytomatosis viral oncogene homolog.

Download English Version:

<https://daneshyari.com/en/article/8716133>

Download Persian Version:

<https://daneshyari.com/article/8716133>

[Daneshyari.com](https://daneshyari.com)