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Review

Roles of WNT, NOTCH, and Hedgehog signaling in the differentiation and function of innate and innate - like lymphocytes

Jessica C. Kling✉, Antje Blumenthal✉

First published: 12 October 2016

<https://doi.org/10.1189/jlb.1MR0616-272R>

Cited by:4

Abstract

Innate lymphoid cells (ILCs) and innate - like lymphocytes have important roles in immune responses in the context of infection, cancer, and autoimmunity. The factors involved in driving the differentiation and function of these cell types remain to be clearly defined. There are several cellular signaling pathways involved in embryogenesis, which continue to function in adult tissue. In particular, the WNT, NOTCH, and Hedgehog signaling pathways are emerging as regulators of hematopoietic cell development and differentiation. This review discusses the currently known roles of WNT, NOTCH, and Hedgehog signaling in the differentiation and function of ILCs and innate - like lymphocytes.

Citing Literature

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