

67. Notch signaling in development and cancer

1 unit, Eric Lai, December 8, 2025

Core mechanism of Notch signal transduction

Levels of regulation for the Notch pathway

Biological outcomes of Notch signaling

Aberrant Notch signaling and tumorigenesis

Discussion Paper

Baker FC, Harman J, Jordan T, Walton B, Ajamu-Johnson A, Alashqar RF, Bhikot S, Struhl G, Langridge PD. An in vivo screen identifies diverse domains that can act as force-dependent proteolytic switches for Notch activation. *Sci Signal*. 2025 Jun 10;18(890):eadt4606. doi: 10.1126/scisignal.adt4606. Epub 2025 Jun 10. PMID: 40493672; PMCID: PMC12290919.

Review Paper

Bray SJ, Bigas A. Modes of Notch signalling in development and disease. *Nat Rev Mol Cell Biol*. 2025 Jul;26(7):522-537. doi: 10.1038/s41580-025-00835-2. Epub 2025 Mar 10. PMID: 40065190.